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RESULTS
OF
MERIDIAN OBSERVATIONS,

MADE AT THE
ROYAL OBSERVATORY, CAPE OF GOOD HOPE,

DURING THE YEARS
1866 to 1870,

UNDER THE DIRECTION OF
SIR THOMAS MACLEAR, K.T., F.R.S., ETC.,
HER MAJESTY'S ASTRONOMER AT THE CAPE.

REDUCED AND PRINTED UNDER THE DIRECTION OF
SIR DAVID GILL, K.C.B., L.L.D., F.R.S., Hon. F.R.S. Ed., ETC.,
HER MAJESTY'S ASTRONOMER AT THE CAPE.

***PUBLISHED BY ORDER OF THE LORDS COMMISSIONERS OF THE ADMIRALTY IN OBEDIENCE
TO HER MAJESTY'S COMMAND.***



EDINBURGH:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
BY NEILL AND COMPANY, LIMITED.

1900.

ERRATA.

CAPE MERIDIAN OBSERVATIONS, 1861 to 1865.

PAGE

- x. Distance of webs *h* and *f*, for wires 2 and 3 read 4 and 7.
 89. 58 Piscium. N.P.D., for 48' 7''·26 read 47'. 4''·95.
 95. 63 Geminorum. N.P.D., for 32''·44 read 25''·55.
 105. B.A.C. 5868. R.A., for 35°·62 read 36°·62.
 105. σ Octantis. R.A., for 52^m 22°·46 read 49^m 55°·93.
 108. ζ Cygni. N.P.D., for 33''·44 read 32''·66.
 109. 30 Aquarii. N.P.D., for 13''·97 read 33''·97
 114. No. 10. Dec., for 11' 52''·74 read 12' 55''·05.
 116. No. 63. Dec., for 27''·56 read 34''·45.
 119. No. 152. R.A., for 35°·62 read 36°·62.
 119. No. 156. R.A., for 52^m 22°·46 read 49^m 55°·93.
 120. No. 184. Dec., for 26''·56 read 27''·34.
 120. No. 189. Dec., for 13''·97 read 33''·97.
 134. η^3 Pectoris. N.P.D., for 13''·00 read 3''·00.
 136. B.A.C. 1890. R.A., for 48^m 46°·04 read 47^m 46°·04.
 140. 31 Canis Majoris. R.A., for 38°·44 read 38°·19.
 141. γ Argûs. N.P.D., for 47''·09, 44''·80, 45''·95 read 53''·96, 52''·45, 53''·21 respectively.
 160. No. 64. Dec., for 13''·00 read 3''·00.
 160. No. 85. R.A., for 48^m 46°·04 read 47^m 46°·04.
 161. No. 112. R.A., for 38°·44 read 38°·19.
 162. No. 135. Dec., for 45''·95 read 53''·21.
 169. θ^1 Ceti. R.A., for 0°·67 read 10°·67.
 195. A Ophiuchi (1st Star). N.P.D., for 56''·47 read 52' ·05.
 199. Lacaille 7845. N.P.D., for 21' 4''·58 read 16' 4''·48.
 212. No. 12. R.A., for 0°·67 read 10°·67.
 217. No. 180. Dec., for 56''·47 read 52''·05.
 218. No. 204. Dec., for 21' 4''·58 read 16' 4''·48.
 235. α Cancri. R.A., for 3°·08 read 2°·79.
 258. No. 88. R.A., for 3°·08 read 2°·79.
 280. 1 Sextantis. R.A., for 29^m read 30^m.
 286. λ Virginis. R.A., Jan. 31, Feb. 3, 6, insert 48°·76, 48°·51, 48°·59; Mean, for 48°·65 read 48°·64.
 305. No. 91. R.A., for 29^m read 30^m.
 306. No. 140. Fraction of Year, for 0·22 read 0·11; No. of Obs., for 5 read 8; R.A., for 48°·65 read 48°·64.
 380. Mar. 18, α Cancri. R.A., for 5°·52 read 5°·23.

CAPE MERIDIAN OBSERVATIONS 1866-70.

146. Col. 2. For B.A.C. 959 read B.A.C. 952.
 148. Col. 1. B.A.C. 1038, Mean R.A., for 9°·29 read 9°·34.
 151. Col. 2. γ Hydri, „ „ for 19°·92 read 19°·97.
 158. Col. 2. δ Doradûs, „ „ for 32°·00 read 32°·02.
 172. Col. 2. For B.A.C. 3586 read B.A.C. 3599.
 442. Dec. 23. Increase Observed Dec. and Correction to Tabular Dec. 1''.
 447. Apr. 7. Increase Observed R.A. 1°; Correction to Tabular R.A., for -0°·89 read +0°·11.

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INTRODUCTION

TO THE

MERIDIAN OBSERVATIONS, 1866 TO 1870.

DETAILS of the Meridian work of the Cape Observatory from 1834 to 1870 were given in the Introduction to the *Meridian Observations*, 1861 to 1865.

The present volume contains the results of Meridian Observations, 1866 to 1870, and completes the publication of all observations made with the Transit-Circle under the direction of Sir Thomas Maclear.

The Transit-Circle was constructed upon Sir George Airy's plans by Messrs Ransomes & Sims, as engineers, and Messrs Troughton & Simms, as opticians. It is similar in construction and power to the Transit-Circle of the Royal Observatory, Greenwich. An elaborate description, with plans, of the Greenwich instrument is given in the volumes of *Greenwich Observations*, 1852 and 1867; this renders any detailed description of the Cape instrument unnecessary. The only points of difference are—that the setting-circle and the handles for moving the instrument are removed from connection with the graduated circle to the opposite side of the instrument, and that the central cube is pierced to allow adjustment of the collimating telescopes upon each other, without obstruction, and without the necessity for raising the Transit-Circle.

The magnifying power used was 200 diameters.

The observations of Right Ascension were made by the "Chronographic" method.

The Errors of Collimation were determined by Gauss's method, with

two horizontal telescopes of 4 inches aperture—the results, including the correction for diurnal aberration, are given in Table I., pp. 2 and 3.

The Level-Errors were determined by observing, with a Bohnenberger eye-piece, the coincidence of the central wire with its image formed after reflection from a pool of mercury. The separate results, together with the Adopted Level and Azimuth-Errors, are given in Table II., pp. 4 to 18.

The results of the separate determinations of Azimuth are given in Table III., pp. 19 to 35.

The observations of Right Ascension were entered in the reduction forms, the means taken, and the corrections for Collimation, Level, and Azimuth applied until the end of 1867 under the direction of Sir Thomas Maclear.

The Clock-Stars employed and the corrections applied to reduce the places of the *Nautical Almanac* to Auwers' Fundamental Catalogue are given on pp. viii and ix of the *Meridian Observations*, 1861 to 1865.

The Right Ascensions of Clock-Stars have not been retained as determinations unless Clock-Error was obtained from at least five fundamental stars.

The various observers are denoted as follows:—

Denoted		Denoted	
Observer.	by	Observer.	by
Sir Thomas Maclear.....	T.	Mr Chas. D. Fisher.....	C.F.
Mr Wm. Mann.....	W.	„ J. Sinfield.....	J.S.
„ G. W. H. Maclear.....	G.	„ Isaac Freeman.....	I.F.
„ Geo. Christie.....	C.	„ C. Blore.....	B.

Sir Thomas Maclear and Mr G. Christie observed only the Comet-comparison Stars.

The Personal Equations of the observers have not been discussed. The Clock-Rates have been derived exclusively from successive time determinations by the same observer. The resulting Rates of the Clock Hardy are given in Table IV., pp. 36 to 43.

CIRCLE OBSERVATIONS.

The Circle is graduated from 5' to 5'. The pointer-reading is approximately 0° when the telescope is directed to the Zenith. The pointer-readings increase as the telescope is turned from the Zenith to the South. The pointer and microscopes for reading the Circle are mounted on the Western pier.

One Revolution of the Z.D. micrometer-screw = 28".548.

The Mean Run of the six microscopes for 5' of arc will be found in Table V., pp. 44 to 56. The correction for Runs is very large but very constant, and its change by temperature is insensible.

On 1862 July 28-30, two nearly parallel horizontal webs *h* and *f* were inserted; their measured distance apart was found to be

At wire.....	¹	⁴	⁷
Distance	14".196	14".274	14".300

and their Inclination for one wire interval *before* the centre wire

	^h	^f
1865 Jan. 1 to 1867 Mar. 30	+0".250	+0".267
1867 Mar. 31 to 1870 Dec. 7	+0".278	+0".295

On 1870 Dec. 7, wire *f* was removed. The Inclination for one wire interval, from observations of stars on Dec. 8 to 14, was

$$+0".322.$$

The Division-Errors of the Circle determined in 1855 December, are given on p. xi. of *Meridian Observations*, 1861-65.

The Flexure from observations on 1855 March 26 was $-0".26 \sin z$. A Table of corrections for Division-Error + Flexure is printed on pp. xii and xiii of the *Meridian Observations*, 1861-65, and was used throughout.

The Nadir-Points were determined exclusively by observations of the reflected image of the horizontal wire in a pool of mercury. The observed and adopted values are given in Table VI., pp. 57 to 71.

The Refractions were computed by Bessel's *Tabulæ Regiomontanæ*. The Thermometer employed was placed in a crib in the S.W. window of the Transit-Room; it was constructed by Dollond, had a large cylindrical bulb, and its graduations were engraved on an attached ivory scale. We have no certain knowledge of the calibration and index-errors of this thermometer.

The observations were all reduced to Apparent N.P.D. with an assumed Latitude

$$33^{\circ} 56' 3''.2 \text{ South.}$$

The observations of stars in 1866 were reduced to Apparent N.P.D., and those from 1867 to 1870 to "Circle-reading at observation," under the direction of Sir Thomas Maclear.

In the reductions to Mean Place, the small terms depending on α and β were taken into account for α and β Centauri, and for all stars within 5° of the Pole.

The number of Southern Stars contained in the work is disappointing—indeed, after 1860, some of the best observers ceased to take part in the meridian observing, and the work was carried on with less system and vigour than it had been during the period 1856-60. Many observations

of the Sun, Moon, and Planets, and a great part of the Right Ascensions of the Clock-Stars, are rendered useless by want of sufficient determination of Clock-Error. Much time and patience were devoted to the scrutiny of doubtful results, and numerous errors have been detected in the observations by C.F. and B.

The observed Right Ascensions of the Sun, Moon, and Planets have been retained when two or more Clock-Stars were observed.

The semidiameters of the *Nautical Almanac* have been used in the reductions. The value $8''.80$ has been adopted for the mean horizontal equatorial parallax of the Sun.

The results of observations of the Sun, Moon, and Planets have in every case been compared with the Ephemerides of the *Nautical Almanac* for the year in which the observations were made.

The observations of the Moon's limbs and of Moon-culminating Stars are given in a special section.

The Longitude of the Transit-Circle adopted in the reductions depends on the series of Telegraphic differences of Longitude discussed in the *Annals of the Cape Observatory*, Vol. I. Part II., viz.:

$$1^h\ 13^m\ 54^s.757.$$

The observations of Comet-comparison Stars, 1861 to 1866, are appended to this volume. A correction of $-0''.18$ has been applied to C.'s observations of R.A. of stars fainter than 7th magnitude.

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

T A B L E S

OF

INSTRUMENTAL CORRECTIONS,

1866—1870.

CAPE MERIDIAN OBSERVATIONS, 1866-1870.

TABLE I.

Collimation-Errors of the Transit-Circle.

[SET OF R. A. MICROMETER-SCREW:—1866 Jan. 1 to 1869 Jan. 3, 30⁰.000; 1869 Jan. 4 to 1870 Dec. 31, 30⁰.200.]

Date.	Error of Collimation.	Date.	Error of Collimation.	Date.	Error of Collimation.
1866.	"	1867—cont.	"	1868—cont.	"
Jan. 1 — 4	— 0.038	Jan. 25—Feb. 7	— 0.159	Mar. 5 — 18	— 0.216
5 — 18	— 0.046	Feb. 8 — 21	— 0.155	19—Apr. 2	— 0.211
19—Feb. 1	— 0.051	22—Mar. 7	— 0.156	Apr. 3 — 16	— 0.209
Feb. 2 — 15	— 0.036	Mar. 8 — 29	— 0.150	17 — 29	— 0.203
16—Mar. 1	— 0.046	29—Apr. 10	— 0.218	30—May 13	— 0.212
Mar. 2 — 15	— 0.049	Apr. 11 — 25	— 0.208	May 14 — 29	— 0.204
16 — 29	— 0.048	26—May 9	— 0.213	30—June 10	— 0.198
30—Apr. 12	— 0.052	May 10 — 22	— 0.212	June 11 — 24	— 0.192
Apr. 13 — 26	— 0.046	23—June 6	— 0.210	25—July 8	— 0.191
27—May 10	— 0.029	June 7 — 19	— 0.205	July 9 — 23	— 0.194
May 11 — 24	— 0.031	20—July 3	— 0.201	24—Aug. 6	— 0.196
25—June 6	— 0.034	July 4 — 18	— 0.202	Aug. 7 — 20	— 0.198
June 7 — 21	— 0.032	19 — 31	— 0.201	21—Sept. 3	— 0.185
22—July 5	— 0.018	Aug. 1 — 14	— 0.202	Sept. 4 — 15	— 0.187
July 6 — 19	— 0.023	15 — 28	— 0.205	16 — 29	— 0.201
20—Aug. 2	+ 0.009	29—Sept. 11	— 0.204	30—Oct. 14	— 0.199
Aug. 3 — 16	+ 0.017	Sept. 12 — 25	— 0.199	Oct. 15 — 28	— 0.213
17 — 30	+ 0.015	26—Oct. 9	— 0.213	29—Nov. 11	— 0.212
31—Sept. 12	+ 0.012	Oct. 10 — 23	— 0.209	Nov. 12 — 25	— 0.218
Sept. 13 — 27	+ 0.007	24—Nov. 6	— 0.204	26—Dec. 9	— 0.224
28—Oct. 10	+ 0.021	Nov. 7 — 23	— 0.212	Dec. 10 — 23	— 0.224
Oct. 11—Nov. 7	— 0.090	23—Dec. 4	— 0.227	24 — 31	— 0.227
Nov. 8 — 19	— 0.102	Dec. 5 — 31	— 0.225		
20 — 27	— 0.112			1869.	
28—Dec. 12	+ 0.030	1868.		Jan. 1 — 2	— 0.227
Dec. 13 — 25	+ 0.023	Jan. 1 — 2	— 0.225	6 — 20	— 0.032
26 — 31	— 0.162	3 — 29	— 0.226	21—Feb. 3	— 0.038
1867.		30—Feb. 14	— 0.222	Feb. 4 — 17	— 0.042
Jan. 1 — 10	— 0.162	Feb. 16 — 21	— 0.208	18—Mar. 3	— 0.044
11 — 24	— 0.165	23—Mar. 4	— 0.234	Mar. 4 — 17	— 0.039

1867 March 29^d. 22^h. Eye end of telescope struck a book lying on steps, and was turned in its collar and drawn out about $\frac{3}{4}$ inch. Focus and verticality of Centre wire readjusted.
 1867 December 1^d. 22^h. Image of the cross in South Collimator found considerably out of focus, the wire tube having apparently been pushed inwards.

TABLE I.—continued.

Collimation-Errors of the Transit-Circle.

Date.	Error of Collimation.	Date.	Error of Collimation.	Date.	Error of Collimation.
1869—cont.	"	1869—cont.	"	1870—cont.	"
Mar. 18 — 31	— 0'039	Nov. 11 — 24	— 0'019	May 26—June 8	+ 0'004
Apr. 1 — 14	— 0'034	25—Dec. 8	— 0'029	June 9 — 22	+ 0'006
15 — 28	— 0'029	Dec. 9 — 22	— 0'027	23—July 6	+ 0'007
29—May 21	— 0'023	23 — 31	— 0'023	July 7 — 20	+ 0'011
May 24 — 27	— 0'010			21—Aug. 3	+ 0'032
28—June 9	— 0'011	1870.		Aug. 4 — 17	+ 0'021
June 10 — 23	— 0'009	Jan. 1 — 5	— 0'023	18 — 31	+ 0'012
24—July 7	— 0'010	6 — 19	— 0'026	Sept. 1 — 14	+ 0'009
July 8 — 21	— 0'005	20—Feb. 2	— 0'024	15 — 28	+ 0'005
22—Aug. 4	— 0'009	Feb. 3 — 16	— 0'022	29—Oct. 12	— 0'001
Aug. 5 — 18	— 0'008	17—Mar. 2	— 0'018	Oct. 13 — 26	— 0'006
19—Sept. 1	— 0'008	Mar. 3 — 16	— 0'014	27—Nov. 9	— 0'016
Sept. 2 — 15	— 0'014	17 — 30	— 0'018	Nov. 10 — 23	— 0'032
16 — 29	— 0'013	31—Apr. 13	— 0'009	24—Dec. 7	— 0'034
30—Oct. 13	— 0'021	Apr. 14 — 27	— 0'009	Dec. 8 — 21	— 0'024
Oct. 14 — 27	— 0'030	28—May 11	— 0'007	22 — 31	— 0'028
28—Nov. 10	— 0'021	May 12 — 25	+ 0'009		

1870 December 7^d. 0^h. Z.D. wire-plate removed, and wire *f* taken off.

Level and Aimuth-Errors of the Transit-Circle,

TABLE II.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1866.		"	"	"	1866—cont.		"	"	"
Jan. 2 13	JS	—0°699			Mar. 3 1	JS	—1°214	—1°221	
4 15	JS	—0°723	—0°711		3 14	CF	—1°228		+0°955
5 22	G	—0°756	—0°756	+1°159	4 17	CF	—1°229	—1°250	
7 22	JS	—0°787			10 3	JS	—1°270		
9 22	G	—0°810	—0°802	+1°195	16 18	G	—1°364	—1°364	+1°027
11 0	JS	—0°809			19 14	G	—1°449	—1°456	
15 22	G	—0°903			21 5	CF	—1°464		
16 23	JS	—0°922	—0°936	+1°276	24 8	JS	—1°513	—1°513	+1°104
18 23	G	—0°983			27 10	JS	—1°539	—1°576	
21 22	JS	—1°059			31 5	JS	—1°613		
22 22	G	—1°085	—1°082	+1°354	Apr. 1 14	JS	—1°628	—1°681	
23 23	JS	—1°103			5 17	G	—1°735		+1°135
24 22	G	—1°130			9 0	G	—1°857	—1°857	
25 8	JS	—1°146	—1°160		12 3	G	—1°943	—1°943	
26 22	G	—1°159			16 4	JS	—1°971		+1°050
28 22	JS	—1°204			18 20	G	—1°988	—1°980	
29 22	G	—1°243		+1°379	21 6	JS	—2°012		
31 12	JS	—1°316	—1°305		22 18	G	—2°025	—2°020	+0°966
Feb. 1 23	CF	—1°355		...	23 23	JS	—2°022		
2 23	G	—1°343			24 18	G	—2°019		
5 3	JS	—1°283	—1°303		27 4	JS	—1°984	—1°978	
6 18	JS	—1°284			28 10	JS	—1°971		+0°803
10 6	JS	—1°291	—1°291	+1°039	May 4 22	JS	—2°000	—2°000	
18 23	G	—1°260	—1°253		7 23	CF	—2°034		
19 22	G	—1°246			8 22	G	—2°036	—2°029	+0°771
22 7	JS	—1°214			10 22	G	—2°017		
24 8	JS	—1°207	—1°215		12 3	JS	—2°022	—2°035	
25 19	G	—1°217		+0°943					
26 22	JS	—1°213							

April 16^d. 4^h, 28^d. 10^h. Mercury unsteady.

TABLE II.—continued.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1866—cont.		"	"	"	1866—cont.		"	"	"
d h					d h				
May 14 3	G	-2°049			July 13 11	CF	-1°543	-1°542	
15 22	G	-2°035		+0°748	14 11	JS	-1°525		
17 3	JS	-2°025			17 11	CF	-1°531		
20 6	JS	-2°025	-2°030		18 22	G	-1°486	-1°498	+0°563
22 22	JS	-2°034		+0°729	19 6	JS	-1°478		
25 10	JS	-2°071	-2°086		21 3	JS	-1°390		
26 11	JS	-2°100			22 23	G	-1°377	-1°383	
29 23	JS	-2°132	-2°126	...	23 9	JS	-1°375		
31 23	G	-2°120			24 11	G	-1°388		+0°487
June 4 22	G	-2°140			27 0	JS	-1°357		
5 18	JS	-2°135	-2°137	+0°698	31 4	G	-1°354	-1°348	
7 14	JS	-2°136			Aug. 1 17	JS	-1°334		+0°503
8 14	CF	-2°146			5 23	G	-1°317		
10 23	G	-2°173	-2°159		7 22	CF	-1°294	-1°300	+0°389
14 0	JS	-2°131	-2°121	+0°559	10 0	JS	-1°289		
17 23	G	-2°111			13 0	G	-1°251	-1°228	+0°311
20 22	G	-2°094			14 23	CF	-1°228		
22 0	JS	-2°115	-2°109	+0°420	18 0	JS	-1°204		
25 0	JS	-2°118			19 23	G	-1°169	-1°172	
27 23	G	-2°106	-2°096		20 8	JS	-1°174		
29 4	JS	-2°086			23 8	CF	-1°147	-1°138	+0°419
July 2 0	G	-2°016	-1°965	+0°267	25 12	JS	-1°129		
3 3	CF	-1°913			29 3	G	-1°097		
4 13	JS	-1°826	-1°806		Sept. 1 3	JS	-1°072	-1°098	+0°375
5 22	G	-1°785			3 22	G	-1°124		
7 4	JS	-1°748	-1°697		7 1	JS	-1°097	-1°077	+0°358
9 22	JS	-1°646		+0°536	10 23	CF	-1°056		
11 3	CF	-1°601	-1°596		12 10	CF	-1°016		
11 11	JS	-1°590			16 22	G	-1°041	-1°026	
12 22	G	-1°559			17 6	JS	-1°022		+0°306

TABLE II.—*continued.**Level and Azimuth-Errors of the Transit-Circle.*

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1866— <i>cont.</i> d h		"	"	"	1866— <i>cont.</i> d h		"	"	"
Sept. 19 23	G	—0° 985	—0° 974		Nov. 16 17	JS	—0° 719		+0° 451
21 0	JS	—0° 963			18 13	IF	—0° 751	—0° 742	
24 12	JS	—0° 959			19 13	G	—0° 755		
26 12	CF	—0° 946	—0° 942		20 22	G	—0° 741		
27 15	JS	—0° 921			22 13	JS	—0° 723		+0° 537
28 16	CF	—0° 903	—0° 864		23 7	IF	—0° 711	—0° 731	
30 22	G	—0° 825			24 15	G	—0° 737		
Oct. 3 13	CF	—0° 843	—0° 842	+0° 349	25 17	CF	—0° 732		
4 18	JS	—0° 841			26 15	G	—0° 744		
5 13	CF	—0° 877			28 15	G	—0° 771		
7 13	CF	—0° 892	—0° 888		29 2	JS	—0° 760	—0° 765	+0° 526
8 17	G	—0° 894			30 7	CF	—0° 763		
12 17	JS	—0° 856	—0° 856		Dec. 4 14	JS	—0° 754		+0° 744
16 15	CF	—0° 807			5 11	IF	—0° 749	—0° 752	
17 10	JS	—0° 802	—0° 794		9 23	G	—0° 842		+0° 816
18 23	G	—0° 786			10 13	JS	—0° 832	—0° 833	
19 16	CF	—0° 782		+0° 410	11 3	CF	—0° 837		
21 14	CF	—0° 770	—0° 757		12 12	IF	—0° 821		
22 15	G	—0° 744			15 19	G	—0° 859	—0° 845	+0° 972
23 15	JS	—0° 721	—0° 720		17 10	CF	—0° 830		
24 17	CF	—0° 718			19 13	G	—0° 920		
26 15	CF	—0° 733			20 13	JS	—0° 918	—0° 921	+1° 127
29 14	CF	—0° 730	—0° 731		21 19	G	—0° 925		
30 13	JS	—0° 729			23 16	CF	—0° 970	—0° 964	
Nov. 1 14	JS	—0° 742	—0° 747	+0° 385	24 15	G	—0° 957		
4 14	JS	—0° 752			27 13	G	—0° 966		
5 12	G	—0° 739	—0° 744		28 4	CF	—0° 990	—0° 997	
6 16	CF	—0° 748			30 23	JS	—1° 036		+1° 251
8 16	G	—0° 748	—0° 750						
14 5	CF	—0° 751							

November 19^d. 22^h. Instrument raised from its bearings ; pivots cleaned and oiled.

TABLE II.—continued.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1867.		"	"	"	1867—cont.		"	"	"
d h					d h				
Jan. 2 23	CF	-1°134			Feb. 23 18	CF	-1°869	-1°887	
4 7	CF	-1°141	-1°137		24 16	CF	-1°904		
6 23	G	-1°132			25 14	JS	-1°928	-1°938	
8 13	G	-1°140			26 16	G	-1°948		+1°050
10 13	G	-1°177	-1°186		Mar. 1 18	JS	-1°998	-2°046	
11 18	JS	-1°194			3 22	G	-2°094		+1°009
13 23	G	-1°254	-1°252		4 13	JS	-2°114	-2°122	
14 17	JS	-1°251		+1°375	5 22	G	-2°129		
17 10	JS	-1°322	-1°323		6 10	JS	-2°149	-2°161	
18 14	CF	-1°324			7 12	G	-2°173		+0°857
20 6	JS	-1°401			11 22	CF	-2°091		
23 14	G	-1°457	-1°451		13 7	CF	-2°081	-2°092	
24 16	JS	-1°495			14 8	JS	-2°099		+0°704
27 23	G	-1°541	-1°548		15 8	CF	-2°095		
28 14	JS	-1°556		+1°200	17 11	G	-2°113	-2°117	
30 6	CF	-1°623			18 11	JS	-2°120		
31 8	IF	-1°619	-1°627		19 12	CF	-2°134	-2°131	
Feb. 1 4	CF	-1°610			21 14	JS	-2°127		
4 22	G	-1°638			22 11	CF	-2°123	-2°151	
5 11	JS	-1°660	-1°657		25 0	JS	-2°179		+0°676
6 14	G	-1°672			26 5	CF	-2°227	-2°248	
10 18	IF	-1°602		+1°141	28 22	JS	-2°269		
11 13	JS	-1°605	-1°618		29 23	G	-2°297	-2°297	
12 12	G	-1°617			Apr. 1 22	CF	-2°396	-2°408	
13 6	CF	-1°648			3 6	JS	-2°420		
14 12	G	-1°684	-1°690		4 22	G	-2°417		
15 10	JS	-1°695			5 5	CF	-2°417	-2°419	
16 21	G	-1°725	-1°742		7 22	G	-2°424		+0°647
19 9	IF	-1°758			8 14	CF	-2°435		
21 14	JS	-1°804	-1°812						
22 10	CF	-1°820		+1°081					

February 23^d 18^h. Mercury very unsteady.

March 14^d 8^h, 17^d 11^h. Mercury very unsteady.

March 29^d 22^h. Eye-end of telescope struck a book lying on steps, and was turned in its collar and drawn out about $\frac{1}{2}$ inch. Focus and verticality of Centre wire readjusted.

TABLE II.—*continued.**Level and Azimuth-Errors of the Transit-Circle.*

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1867— <i>cont.</i> d h		"	"	"	1867— <i>cont.</i> d h		"	"	"
Apr. 9 10	IF	-2'438			May 24 17	CF	-2'353	-2'340	
10 12	JS	-2'405	-2'432		26 23	G	-2'346		
11 22	CF	-2'451			27 9	JS	-2'332		+0'161
13 7	JS	-2'482			28 10	CF	-2'323	-2'328	
14 12	CF	-2'503			31 18	CF	-2'282		
15 22	G	-2'488	-2'495	+0'541				-2'268	-0'016
16 4	IF	-2'507			June 3 10	JS	-2'254		-0'091
17 13	CF	-2'537		+0'434	6 0	CF	-2'248		
20 0	G	-2'528	-2'536		7 6	CF	-2'229	-2'239	
22 22	G	-2'543			10 9	G	-2'220		-0'042
23 16	JS	-2'535			12 6	CF	-2'213	-2'217	
24 8	IF	-2'539			14 22	CF	-2'183		
25 5	JS	-2'546		+0'220	16 22	G	-2'183	-2'189	-0'090
26 18	JS	-2'556			17 13	CF	-2'192		
28 23	G	-2'533	-2'522		19 16	B	-2'197		
30 23	CF	-2'511			23 19	CF	-2'174	-2'144	+0'003
May 2 22	JS	-2'459	-2'460		24 18	JS	-2'113		
3 11	CF	-2'460		+0'195	25 22	G	-2'067	-2'024	
6 22	G	-2'409	-2'401		28 6	CF	-1'980		+0'095
8 9	IF	-2'392			30 10	CF	-1'863	-1'825	
9 18	JS	-2'368	-2'369		July 2 11	IF	-1'786		+0'152
10 6	JS	-2'370			3 3	G	-1'774	-1'770	
12 19	G	-2'345	-2'337		4 16	CF	-1'766		+0'209
13 12	JS	-2'328			6 3	G	-1'701	-1'655	
15 13	IF	-2'312		+0'178	8 22	JS	-1'609		
16 11	G	-2'309			9 11	IF	-1'591	-1'594	+0'254
17 19	CF	-2'311	-2'311		10 7	G	-1'597		
19 16	CF	-2'318			11 10	JS	-1'571	-1'532	
21 17	IF	-2'312			14 23	G	-1'493		
22 8	CF	-2'303		+0'219	15 14	CF	-1'491	-1'477	
23 8	G	-2'321							

TABLE II.—continued.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.		Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.					Observed.	Adopted.	
1867—cont.		"	"	"		1867—cont.		"	"	"
July 16 18	IF	-1'463				Sept. 1 18	CF	-1'172		
17 23	G	-1'458				3 10	IF	-1'169		
18 10	JS	-1'457	-1'458	+0'310		4 18	CF	-1'191	-1'189	
19 21	B	-1'441				5 9	JS	-1'200		
20 20	JS	-1'443				6 10	IF	-1'184		+0'340
21 17	JS	-1'447	-1'442			7 8	G	-1'186		
23 18	JS	-1'437	-1'442			11 10	IF	-1'124		
26 6	CF	-1'417				12 7	JS	-1'115	-1'118	
27 18	G	-1'377	-1'392			13 18	CF	-1'116		
28 22	G	-1'381				15 14	G	-1'111		
30 9	JS	-1'364				16 6	JS	-1'109	-1'111	
31 19	CF	-1'338	-1'351			17 7	IF	-1'114		
Aug. 2 8	IF	-1'334				19 17	G	-1'087		
4 22	G	-1'346	-1'337	+0'370		20 20	CF	-1'068	-1'078	
5 15	B	-1'332				24 11	CF	-0'966		
6 18	JS	-1'314				26 6	JS	-0'974		
7 17	G	-1'307	-1'311			29 23	G	-0'984		
9 22	JS	-1'268				30 10	JS	-0'980	-0'979	
11 19	JS	-1'276				Oct. 3 5	CF	-0'992		
12 18	G	-1'287				4 10	CF	-0'979		
13 19	B	-1'268				6 7	G	-0'960		
14 10	IF	-1'277	-1'274			7 7	JS	-0'955		
15 12	JS	-1'272				8 7	IF	-0'957	-0'957	
17 18	G	-1'268				9 15	G	-0'954		+0'348
18 16	G	-1'274				10 22	JS	-0'929		
21 16	CF	-1'251				13 22	G	-0'935		
22 7	JS	-1'235				14 14	JS	-0'924	-0'926	
25 22	G	-1'227	-1'238			15 9	CF	-0'917		
27 18	CF	-1'237				16 13	B	-0'905		
28 8	IF	-1'240				18 9	IF	-0'901	-0'899	
29 9	JS	-1'219				20 15	CF	-0'891		+0'255

TABLE II.—*continued.**Level and Azimuth-Errors of the Transit-Circle.*

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.		Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.					Observed.	Adopted.	
1867— <i>cont.</i>		"	"	"		1867— <i>cont.</i>		"	"	"
d h						d h				
Oct. 21 18	G	—0.880	—0.881			Dec. 9 11	G	—0.674	—0.670	
23 8	IF	—0.881		+0.255		12 10	IF	—0.666		
24 8	JS	—0.855	—0.854			16 22	JS	—0.680		
26 3	IF	—0.853				17 11	JS	—0.690	—0.692	
27 23	G	—0.821	—0.821			18 8	IF	—0.707		+0.488
29 12	CF	—0.802	—0.804			19 10	G	—0.728	—0.727	
Nov. 1 7	JS	—0.805		+0.256		22 23	CF	—0.725		
3 23	G	—0.851	—0.846			24 10	JS	—0.755		+0.660
4 9	JS	—0.841				27 16	CF	—0.754	—0.758	
8 17	CF	—0.786				29 23	G	—0.765		+0.82
9 10	G	—0.776								
10 22	G	—0.765				1868.				
12 12	JS	—0.774	—0.780			Jan. 3 8	CF	—0.847	—0.848	+0.90
13 12	CF	—0.785				4 22	IF	—0.848		+0.998
15 0	JS	—0.792		+0.248		7 10	JS	—0.886		
16 6	IF	—0.782				8 11	G	—0.925	—0.910	+1.012
17 5	IF	—0.762	—0.755			9 11	IF	—0.920		
18 9	JS	—0.747				10 10	CF	—0.951	—0.962	
20 6	CF	—0.710				12 15	G	—0.973		
22 7	IF	—0.733				14 9	CF	—0.982	—0.980	+1.12
24 23	G	—0.721				15 8	IF	—0.979		
25 9	JS	—0.733		+0.355		16 9	JS	—0.989	—0.994	+1.19
26 8	IF	—0.750	—0.730			17 23	JS	—0.998		
28 22	CF	—0.745				20 22	IF	—1.076		
Dec. 1 23	G	—0.730				21 17	G	—1.103	—1.091	+1.279
2 9	JS	—0.720				22 7	IF	—1.093		
3 17	CF	—0.727		+0.329		23 22	JS	—1.122	—1.130	+1.302
6 4	B	—0.692				24 22	IF	—1.138		
6 7	IF	—0.695	—0.691			26 23	G	—1.192	—1.197	
8 9	JS	—0.685								

at the Royal Observatory, Cape of Good Hope, 1866-70. 11

TABLE II.—continued.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1868—cont.		"	"	"	1868—cont.		"	"	"
d h					d h				
Jan. 28 9	JS	—1'202		...	Mar. 15 17	IF	—1'854		
31 18	CF	—1'223	—1'229		18 7	IF	—1'932	—1'955	
Feb. 1 6	JS	—1'235		+1'265	20 5	CF	—1'978		
2 18	JS	—1'265	—1'280		22 23	G	—2'019	—2'017	+0'90
3 9	G	—1'294			23 19	B	—2'014		
4 17	CF	—1'273	—1'272		25 18	IF	—2'044		
5 22	JS	—1'271			26 5	CF	—2'061	—2'058	
7 18	JS	—1'322			27 18	JS	—2'070		+0'85
9 15	JS	—1'349	—1'344	+1'20	31 15	JS	—2'164		
11 6	IF	—1'358			Apr. 1 12	IF	—2'198	—2'196	
12 18	G	—1'348			2 6	B	—2'226		+0'80
13 18	JS	—1'330	—1'341		3 16	CF	—2'252	—2'272	
14 3	CF	—1'352			4 11	JS	—2'291		
17 18	B	—1'397	—1'415		7 5	CF	—2'358		+0'70
19 22	JS	—1'433			8 14	JS	—2'326	—2'348	
20 6	B	—1'447	—1'440	+1'220	11 19	G	—2'360		+0'60
21 17	IF	—1'432			15 6	JS	—2'383		+0'50
24 23	CF	—1'488	—1'483		17 22	JS	—2'343	—2'367	
25 19	IF	—1'478			19 6	JS	—2'375		
26 18	B	—1'482	—1'562		22 7	IF	—2'287		+0'40
28 3	B	—1'554			23 23	CF	—2'272	—2'282	
28 18	JS	—1'570	—1'668	+1'050	25 18	CF	—2'302		
Mar. 2 18	IF	—1'665	—1'743		28 23	JS	—2'267		+0'335
3 18	CF	—1'670			30 4	B	—2'306		
5 0	JS	—1'720			May 1 4	B	—2'265	—2'274	
6 7	IF	—1'765			2 9	G	—2'250		+0'396
8 13	G	—1'822	—1'825		4 11	JS	—2'212		
10 4	JS	—1'822			5 6	IF	—2'205	—2'214	
11 7	IF	—1'824			7 5	CF	—2'224		
12 16	G	—1'834							
13 17	CF	—1'848	—1'851						

TABLE II.—*continued.**Level and Azimuth-Errors of the Transit-Circle.*

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.		Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.					Observed.	Adopted.	
1868— <i>cont.</i> d h		"	"	"		1868— <i>cont.</i> d h		"	"	"
May 10 16	IF	-2°201				July 1 18	CF	-2°254		+0°15
13 6	IF	-2°218		+0°390		2 10	JS	-2°253	-2°254	
14 18	JS	-2°238	-2°228			5 23	G	-2°190		...
16 18	G	-2°279		+0°384		7 18	G	-2°075	-2°133	
18 18	JS	-2°268	-2°274			8 10	JS	-2°049		+0°075
19 7	IF	-2°251		+0°410		9 16	G	-1°990	-2°020	+0°165
22 18	CF	-2°238	-2°245	+0°441		13 18	JS	-1°889		
26 16	CF	-2°274				14 6	IF	-1°888	-1°889	+0°401
27 6	IF	-2°271				19 23	G	-1°738		
28 18	JS	-2°285	-2°271	+0°40		20 18	JS	-1°727	-1°733	+0°411
29 18	IF	-2°263				22 18	IF	-1°703		
June 2 23	CF	-2°258		+0°308		24 18	CF	-1°671	-1°687	+0°40
3 6	IF	-2°275				26 8	IF	-1°624		
6 18	G	-2°347				27 18	G	-1°631		+0°422
7 17	G	-2°347	-2°346	+0°257		28 18	CF	-1°610	-1°615	
8 22	IF	-2°332				29 8	JS	-1°596		
9 10	IF	-2°359				31 11	IF	-1°527		
10 18	G	-2°386				Aug. 2 23	G	-1°479	-1°503	+0°460
11 18	JS	-2°372	-2°379			4 22	JS	-1°459	-1°459	
12 12	CF	-2°385		+0°216		9 18	G	-1°444		
14 18	G	-2°372				10 6	JS	-1°435		
15 6	IF	-2°360	-2°347			12 6	IF	-1°414	-1°431	+0°452
17 19	CF	-2°333		+0°264		14 18	CF	-1°431		
22 9	IF	-2°255	-2°255	+0°23		16 8	JS	-1°386	-1°396	
26 22	CF	-2°225				17 18	CF	-1°406		
28 7	G	-2°204	-2°218	+0°192		21 7	IF	-1°348		+0°430
29 19	B	-2°215				23 22	G	-1°362		
30 9	G	-2°226				24 18	JS	-1°375	-1°361	

TABLE II.—continued.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.		Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.					Observed.	Adopted.	
1866—cont. d h		"	"	"		1868—cont. d h		"	"	"
Aug. 25 22	G	—1'365				Oct. 14 7	IF	—1'240	—1'268	
26 19	IF	—1'356				15 17	G	—1'267		
27 18	JS	—1'343				16 23	JS	—1'271		
28 18	CF	—1'353	—1'345			21 17	JS	—1'247		
29 18	G	—1'353				22 8	IF	—1'258	—1'251	+0'315
31 18	CF	—1'330		+0'403		23 6	JS	—1'248		
Sept. 2 7	IF	—1'315	—1'315			26 23	CF	—1'211	—1'211	
3 10	JS	—1'314				30 22	JS	—1'160		
7 9	IF	—1'295				Nov. 1 18	IF	—1'134	—1'138	
8 10	JS	—1'316	—1'301	+0'460		2 8	JS	—1'121		
10 22	G	—1'302				4 15	G	—1'112		
11 7	IF	—1'290				5 17	CF	—1'135	—1'125	+0'213
14 18	JS	—1'305		+0'400		6 7	IF	—1'127		
15 18	CF	—1'305		+0'333		10 22	IF	—1'007	—0'971	
18 9	IF	—1'313	—1'311			13 7	IF	—0'935		
20 18	CF	—1'319				16 17	CF	—0'955		
22 5	CF	—1'279				18 7	IF	—0'933	—0'934	
23 10	IF	—1'280	—1'283			19 18	JS	—0'914		+0'300
24 18	G	—1'292				20 18	CF	—0'878		
25 9	JS	—1'282				22 23	G	—0'849	—0'850	
27 18	G	—1'296				23 10	JS	—0'837		
30 10	JS	—1'287	—1'303			24 6	CF	—0'835		
Oct. 1 8	IF	—1'325		+0'315		25 6	IF	—0'809		
5 9	JS	—1'299				26 10	G	—0'830	—0'818	
6 16	CF	—1'312				27 6	IF	—0'815		
7 10	IF	—1'297	—1'293			30 10	CF	—0'788		+0'310
9 18	CF	—1'266				Dec. 1 18	JS	—0'797	—0'794	
11 23	G	—1'293				4 10	CF	—0'796		
12 11	JS	—1'284				7 19	JS	—0'806		
13 6	CF	—1'277				9 18	IF	—0'772		

TABLE II.—*continued.**Level and Azimuth-Errors of the Transit-Circle.*

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	
		Observed.	Adopted.				Observed.	Adopted.		
1868—cont.					1869—cont.					
	d h	"	"	"		d h	"	"	"	
Dec. 10	12	CF	-0.786	-0.788	+0.369	17	0	G	-1.693	
11	10	JS	-0.788			18	21	G	-1.702	-1.713
12	20	CF	-0.786			22	0	G	-1.744	
16	19	IF	-0.759			24	22	G	-1.801	-1.813
23	23	JS	-0.784	-0.772	+0.420	26	3	G	-1.824	
28	23	G	-0.772			Mar. 1	4	G	-1.868	-1.871
30	19	IF	-0.785	-0.778	+0.476	2	22	JS	-1.874	
1869.										
Jan. 4	22	G	-0.833			8	3	G	-1.970	+0.60
5	18	IF	-0.847	-0.845		9	23	G	-2.017	-2.038
6	17	JS	-0.854		+0.750	12	22	G	-2.127	+0.50
8	18	CF	-0.922	-0.946		17	23	G	-2.262	-2.280
10	23	G	-0.970			20	6	JS	-2.297	+0.40
14	18	JS	-0.984	-0.993	+0.835	21	23	G	-2.323	
15	17	CF	-1.001			23	0	IF	-2.318	-2.333
18	17	CF	-1.054			24	23	JS	-2.357	+0.28
19	18	JS	-1.062	-1.056		29	22	G	-2.503	
20	18	IF	-1.052		+0.90	Apr. 1	3	IF	-2.513	-2.493
22	18	CF	-1.122	-1.139		4	22	G	-2.462	+0.20
23	16	G	-1.155			9	22	G	-2.365	
26	22	CF	-1.213	+1.00		12	22	G	-2.392	-2.357
29	18	IF	-1.293	-1.283		15	22	G	-2.314	+0.150
30	18	G	-1.343	+1.078		21	23	IF	-2.393	+0.125
Feb. 2	19	CF	-1.403	+1.00		23	11	IF	-2.435	
3	9	IF	-1.415	-1.421		27	23	G	-2.414	-2.420
4	18	CF	-1.444	+0.95		30	22	IF	-2.429	+0.118
7	22	G	-1.502	+0.90						+0.167
13	4	G	-1.592	-1.572		May 2	23	JS	-2.428	+0.200
14	23	G	-1.622			6	23	JS	-2.372	
						10	23	JS	-2.333	-2.329
										+0.250

1869 March 2^d. 22^h. Mercury very unsteady.

TABLE II.—continued.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1869—cont. d h		"	"	"	1869—cont. d h		"	"	"
May 15 0	JS	—2'291			Aug. 8 22	G	—1'399		
17 22	JS	—2'320			11 23	G	—1'412	—1'413	
24 22	G	—2'200	—2'200	+0'300	14 3	G	—1'417		+0'587
28 0	JS	—2'049		+0'351	15 23	G	—1'443		
June 1 2	IF	—1'961		+0'45	18 23	IF	—1'434	—1'425	
2 23	G	—1'901		—1'874	20 23	IF	—1'398		
5 3	G	—1'847		+0'512	22 22	G	—1'330		
6 22	G	—1'788		+0'538	24 23	IF	—1'373		+0'557
9 18	G	—1'733			27 22	G	—1'354	—1'353	
13 23	G	—1'669			29 22	JS	—1'356		
16 23	IF	—1'618			Sept. 2 22	G	—1'351		
18 22	JS	—1'577			6 0	G	—1'323	—1'300	
20 23	G	—1'537		+0'645	8 22	JS	—1'278		+0'500
24 23	JS	—1'458			13 22	G	—1'238		
27 23	G	—1'468	—1'467		14 23	IF	—1'256	—1'245	
30 23	JS	—1'474			18 0	JS	—1'259		+0'460
July 4 23	G	—1'559			21 0	JS	—1'228		
8 0	IF	—1'528	—1'530		26 17	JS	—1'155	—1'150	
11 22	G	—1'502		+0'619	30 21	G	—1'145		
15 0	JS	—1'482			Oct. 4 22	JS	—1'113		+0'400
15 21	G	—1'498			11 0	IF	—1'082	—1'084	
18 23	JS	—1'528		+0'65	13 23	IF	—1'077		
19 23	G	—1'523	—1'513	+0'687	14 20	G	—1'064		+0'381
21 22	JS	—1'489		+0'600	15 23	IF	—1'058		
25 22	G	—1'456		+0'55	18 23	JS	—1'064	—1'054	
28 0	IF	—1'456			21 23	G	—1'027		
Aug. 1 23	G	—1'452			26 0	IF	—1'065	—1'003	
6 22	JS	—1'424			Nov. 8 0	G	—0'934		+0'333
					10 6	JS	—0'957	—0'952	
					12 23	IF	—0'959		
					14 23	G	—0'958		

July 28^d 0^h, October 21^d 23^h. Mercury very unsteady.

TABLE II.—continued.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1869—cont.		"	"	"	1870—cont.		"	"	"
Nov. 21 23	G	—0·867		+0·333	Feb. 12 10	JS	—1·328		
22 23	IF	—0·861			14 0	G	—1·345	—1·344	+1·360
23 23	JS	—0·836	—0·855		14 23	IF	—1·360		
28 23	G	—0·850			21 1	JS	—1·442	—1·477	
Dec. 3 0	G	—0·862			26 4	JS	—1·512		
7 23	JS	—0·787		+0·400	Mar. 4 3	G	—1·609	—1·627	+1·3
13 3	G	—0·790	—0·793		6 23	IF	—1·645		
16 0	JS	—0·803			11 23	IF	—1·727	—1·710	
18 4	G	—0·847		+0·463	13 23	G	—1·692		
23 23	IF	—0·866	—0·857	+0·500	18 23	IF	—1·855	—1·908	+1·282
27 23	G	—0·878	—0·883	+0·591	27 22	JS	—1·960		+1·08
29 23	G	—0·888			Apr. 1 3	G	—2·022		+1·10
1870.					4 0	JS	—2·018	—2·046	+1·00
Jan. 3 23	G	—0·895	—0·897	+0·650	8 23	IF	—2·058		+0·936
7 3	IF	—0·898		+0·700	12 23	G	—2·086		
10 23	G	—0·943	—0·949		19 22	JS	—2·160	—2·161	+0·90
13 2	IF	—0·954		+0·800	21 0	IF	—2·162		+0·763
14 23	IF	—0·995	—0·999		24 23	G	—2·174	—2·187	+0·70
16 23	G	—1·002		+0·900	May 1 23	JS	—2·199		+0·631
21 3	G	—1·011		+1·000	6 22	IF	—2·218	—2·234	+0·50
26 4	IF	—1·101	—1·091	+1·100	9 22	JS	—2·231	—2·253	+0·40
30 22	G	—1·160		+1·300	10 23	IF	—2·253		+0·30
Feb. 3 23	JS	—1·217		+1·372	15 22	G	—2·181		
6 22	G	—1·259	—1·153		19 5	JS	—2·155	—2·167	
10 0	JS	—1·283			20 23	IF	—2·166		
					24 22	G	—2·151	—2·153	

TABLE II.—continued.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1870—cont. d h		"	"	"	1870—cont. d h		"	"	"
May 29 23	JS	-2'155		+0'25	Sept. 21 23	G	-1'228		+0'518
June 6 23	G	-2'109		+0'30	22 23	IF	-1'238		
10 0	IF	-2'074	-2'092	+0'282	25 23	G	-1'217	-1'217	+0'465
15 23	G	-1'980			Oct. 2 23	JS	-1'152		
19 23	G	-1'999	-1'990	+0'30	5 0	IF	-1'141	-1'147	+0'50
24 3	IF	-1'766	-1'766	+0'40	11 0	JS	-1'125	-1'128	
July 3 23	JS	-1'578	-1'578	+0'60	12 3	JS	-1'131		
11 23	G	-1'517			14 23	IF	-1'093	-1'079	+0'40
14 0	IF	-1'564	-1'550	+0'619	17 0	G	-1'065		
17 23	JS	-1'570			23 23	G	-0'987	-0'987	
20 23	G	-1'590		+0'62	30 22	JS	-0'972	-0'958	
27 2	IF	-1'607	-1'587	+0'646	Nov. 4 10	G	-0'943		
28 22	JS	-1'565		+0'666	6 23	G	-1'003	-1'003	
Aug. 5 23	G	-1'470		+0'676	13 22	JS	-0'947	-0'947	+0'50
8 23	IF	-1'484	-1'494		17 10	G	-0'902	-0'896	
10 23	JS	-1'499			18 10	JS	-0'889		
12 23	IF	-1'522			21 10	IF	-0'803	-0'803	
21 23	G	-1'457	-1'440		22 11	G	-0'797	-0'786	+0'445
25 0	IF	-1'422			23 11	G	-0'775		
27 5	JS	-1'393	-1'370		24 11	JS	-0'791	-0'780	+0'462
30 23	G	-1'347		+0'60	25 11	IF	-0'768		
Sept. 4 23	IF	-1'300	-1'309		28 10	JS	-0'802	-0'795	+0'50
7 0	JS	-1'317			29 10	G	-0'787		
9 23	IF	-1'259	-1'252		Dec. 1 10	JS	-0'815	-0'822	+0'624
11 22	G	-1'245			2 9	IF	-0'829		
15 23	JS	-1'202			6 10	G	-0'883		
20 3	IF	-1'241	-1'227						

November 4^d 23^h. Instrument raised from its bearings; pivots cleaned and oiled.

TABLE II.—concluded.

Level and Azimuth-Errors of the Transit-Circle.

Date.	Observer.	Level-Error.		Adopted Azimuth-Error.	Date.	Observer.	Level-Error.		Adopted Azimuth-Error.
		Observed.	Adopted.				Observed.	Adopted.	
1870—cont. d h		"	"	"	1870—cont. d h		"	"	"
Dec. 7 10	JS	—0·891	—0·884	+0·70	Dec. 14 22	G	—0·945	—0·957	+0·90
8 10	G	—0·878			16 7	IF	—0·968		
12 10	G	—0·909	—0·909	+0·80	19 9	G	—1·028	—1·011	+1·085
13 10	IF	—0·924	—0·924		27 8	G	—0·994		+1·000

TABLE III.

Azimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of Azimuth.
1866.		"
January		
5 } 6 }	Two Consecutive Transits of β Hydri	+ 1' 159
5	Meridian Mark	+ 1' 011
8	"	+ 1' 130
8 } 10 }	Five Consecutive Transits of β Hydri	+ 1' 195
23 } 25 }	Five Consecutive Transits of α Trianguli Australis.....	+ 1' 354
26	Two Consecutive Transits of α Trianguli Australis.....	+ 1' 390
26	Meridian Mark	+ 1' 382
29 } 30 }	Three Consecutive Transits of α Trianguli Australis	+ 1' 394
29	Meridian Mark	+ 1' 349
February		
19	Two Consecutive Transits of α Trianguli Australis.....	+ 1' 039
23 } 24 }	Two Consecutive Transits of β Hydri	+ 0' 943
26	Meridian Mark	+ 0' 868
March		
2 } 3 }	Three Consecutive Transits of β Hydri.....	+ 0' 955
14	Meridian Mark	+ 0' 966
16 } 17 }	Three Consecutive Transits of β Hydri.....	+ 1' 027
16	Meridian Mark	+ 0' 970
19	Two Consecutive Transits of β Hydri	+ 1' 103
19	Meridian Mark	+ 1' 015
20	"	+ 1' 014
20 } 21 }	Three Consecutive Transits of γ Hydri.....	+ 1' 104
28	Meridian Mark	+ 1' 053
April		
2	Meridian Mark	+ 1' 124
4	"	+ 1' 090
6	"	+ 1' 112
9	"	+ 1' 088
7 } 11 }	Eight Consecutive Transits of ϵ Pavonis	+ 1' 135
15	Meridian Mark	+ 1' 017
19	"	+ 0' 906

*Azimuth-Errors of the Transit-Circle,*TABLE III—*continued.**Azimuth-Errors of the Transit-Circle.*

Date.		Determining Stars or Object.	Error of Azimuth.
1866— <i>cont.</i>			
April	21	Meridian Mark	+ 0° 869
	21 } 22 }	Three Consecutive Transits of A Octantis.....	+ 0° 966
	28	Meridian Mark	+ 0° 691
	30 }		
		Three Consecutive Transits of B Octantis	+ 0° 803
May	1 }		
	10 } 11 }	Two Consecutive Transits of B Octantis	+ 0° 771
	13 } 14 }	Four Consecutive Transits of B Octantis	+ 0° 748
	15	Meridian Mark	+ 0° 685
	21 } 22 }	Three Consecutive Transits of C Octantis.....	+ 0° 729
	26	Meridian Mark	+ 0° 650
	29	"	+ 0° 638
June	4	Two Consecutive Transits of γ Octantis	+ 0° 698
	15	Meridian Mark	+ 0° 520
	21 } 24 }	Eight Consecutive Transits of ϵ Octantis	+ 0° 440
	22	Three Consecutive Transits of Lacaille 5235.....	+ 0° 351
	23 } 24 }	Four Consecutive Transits of Lacaille 5235	+ 0° 427
	27	Meridian Mark	+ 0° 307
	29	ϵ Octantis S.P. and Lacaille 5235	+ 0° 278
July	3	ϵ Octantis S.P. and Lacaille 5235	+ 0° 257
	4	Meridian Mark	+ 0° 383
	5	"	+ 0° 459
	9	Lacaille 5235 and Clock-Error	+ 0° 534
	11	Lacaille 5235 and Clock-Error	+ 0° 532
	16 } 16 }	Two Consecutive Transits of δ Octantis.....	+ 0° 517
	23	Two Consecutive Transits of δ Octantis.....	+ 0° 609
	24	Meridian Mark	+ 0° 444
	26 } 28 }	Six Consecutive Transits of δ Octantis	+ 0° 487

TABLE III.—continued.

Azimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of Azimuth.
1866—cont.		s
August 1 } 2 }	Three Consecutive Transits of ϵ Octantis	+ 0° 503
1	Meridian Mark	+ 0° 393
3	"	+ 0° 455
5	"	+ 0° 416
6 } 7 }	Three Consecutive Transits of ρ Octantis	+ 0° 389
9 } 10 }	Three Consecutive Transits of ρ Octantis	+ 0° 311
15	Meridian Mark	+ 0° 447
16	"	+ 0° 449
19 } 20 }	Three Consecutive Transits of B.A.C. 5412	+ 0° 419
September 1 } 2 }	Four Consecutive Transits of B.A.C. 1454	+ 0° 375
4	Two Consecutive Transits of B.A.C. 1587	+ 0° 374
4	Two Consecutive Transits of B.A.C. 5794.....	+ 0° 341
5	Meridian Mark	+ 0° 391
13	"	+ 0° 312
16	σ Octantis and μ Sagittarii	+ 0° 306
18	Meridian Mark	+ 0° 279
23	"	+ 0° 182
26	"	+ 0° 276
October 1	Meridian Mark	+ 0° 187
2	σ Octantis S.P. and ϵ Canis Majoris	+ 0° 291
5	σ Octantis S.P. and ϵ Canis Majoris	+ 0° 406
10	σ Octantis S.P. and α Tauri	+ 0° 576
11	Meridian Mark	+ 0° 225
24	σ Octantis S.P. and μ Geminorum.....	+ 0° 435
26	σ Octantis S.P. and μ Geminorum.....	+ 0° 384
27	Meridian Mark	+ 0° 249
29	σ Octantis S.P. and ϵ Orionis	+ 0° 453
30	σ Octantis S.P. and μ Geminorum.....	+ 0° 382
November 1	σ Octantis S.P. and μ Geminorum.....	+ 0° 381
2	τ Octantis and Clock-Error	+ 0° 349

*Azimuth-Errors of the Transit-Circle,*TABLE III.—*continued.**Azimuth-Errors of the Transit-Circle.*

Date.	Determining Stars or Object.	Error of Azimuth.
1866— <i>cont.</i>		<i>s</i>
November 4	σ Octantis S.P. and α Orionis.....	+ 0° 358
7	Meridian Mark	+ 0° 291
16	σ Octantis S.P. and μ Geminorum.....	+ 0° 451
22	σ Octantis S.P. and μ Geminorum.....	+ 0° 537
28	σ Octantis S.P. and α Orionis	+ 0° 492
29	σ Octantis S.P. and μ Geminorum.....	+ 0° 560
30	Meridian Mark	+ 0° 614
December 4	Meridian Mark	+ 0° 718
4	σ Octantis S.P. and μ Geminorum.....	+ 0° 744
5	Meridian Mark	+ 0° 587
6	"	+ 0° 743
6 } 7 }	Two Consecutive Transits of β Hydri	+ 0° 781
7	σ Octantis S.P. and μ Geminorum.....	+ 0° 885
20	σ Octantis S.P. and μ Geminorum.....	+ 1° 098
21	Two Consecutive Transits of β Hydri	+ 1° 156
21	Meridian Mark	+ 0° 968
28	"	+ 1° 022
29	"	+ 1° 165
1867.		
January 15 } 16 } 17 }	Five Consecutive Transits of α Trianguli Australis.....	+ 1° 375
27 } 28 }	Three Consecutive Transits of α Trianguli Australis	+ 1° 200
February 4 } 5 }	Two Consecutive Transits of α Trianguli Australis	+ 1° 052
21 } 22 }	Two Consecutive Transits of β Hydri	+ 1° 081
March 4	Two Consecutive Transits of β Hydri	+ 1° 008
6	Two Consecutive Transits of β Hydri	+ 1° 009
10	Meridian Mark	+ 0° 673
11	"	+ 0° 719
12	"	+ 0° 718

TABLE III.—continued.

Asimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of Asimuth.
1867—cont.		
March	13 } Three Consecutive Transits of β Hydri.....	+ 0° 704
	14 }	
	21 Meridian Mark	+ 0° 571
April	2 } Three Consecutive Transits of ϵ Pavonis	+ 0° 676
	3 }	
	4 } Four Consecutive Transits of ϵ Pavonis.....	+ 0° 597
	5 }	
	6 Meridian Mark	+ 0° 464
	10 } Four Consecutive Transits of ϵ Pavonis.....	+ 0° 669
	11 }	
	21 Meridian Mark	+ 0° 315
	25 "	+ 0° 192
	26 "	+ 0° 201
	28 "	+ 0° 173
May	5 } Four Consecutive Transits of B Octantis	+ 0° 195
	6 }	
	6 Meridian Mark	+ 0° 179
	10 Two Consecutive Transits of B Octantis	+ 0° 014
	13 Meridian Mark	+ 0° 134
	13 "	+ 0° 151
	14 } Two Consecutive Transits of λ Octantis	+ 0° 175
	15 }	
	15 Meridian Mark	+ 0° 030
	16 } Four Consecutive Transits of ζ Octantis	+ 0° 201
	18 }	
	17 } Two Consecutive Transits of λ Octantis	+ 0° 157
	18 }	
	21 Meridian Mark	+ 0° 092
	21 } Three Consecutive Transits of β Hydri.....	+ 0° 200
	22 }	
	22 } Three Consecutive Transits of ζ Octantis	+ 0° 244
	23 }	
	22 } Three Consecutive Transits of λ Octantis.....	+ 0° 221
	23 }	
	22 Two Consecutive Transits of C Octantis	+ 0° 211
	27 Meridian Mark	+ 0° 123
	27 } Three Consecutive Transits of C Octantis.....	+ 0° 162
	28 }	
	30 } Three Consecutive Transits of β Hydri.....	— 0° 016
	31 }	

*Azimuth-Errors of the Transit-Circle,*TABLE III.—*continued.**Azimuth-Errors of the Transit-Circle.*

Date.	Determining Stars or Object.	Error of Azimuth.
<i>1867—cont.</i>		
June	1 Two Consecutive Transits of β Hydri	— 0°092
	3 } Three Consecutive Transits of γ Octantis.....	— 0°089
	4 }	
	5 } Three Consecutive Transits of τ Octantis	— 0°036
	6 }	
	5 } Four Consecutive Transits of β Hydri	— 0°049
	6 }	
	10 } Three Consecutive Transits of τ Octantis	— 0°075
	11 }	
	11 } Three Consecutive Transits of β Hydri.....	— 0°009
	12 }	
	13 Meridian Mark	— 0°150
July	17 Two Consecutive Transits of τ Octantis.....	— 0°090
	19 Meridian Mark	— 0°258
	21 „	— 0°516
	30 } Three Consecutive Transits of β Hydri	+ 0°090
	1 }	
June July	30 } Three Consecutive Transits of Lacaille 5235.....	+ 0°099
	1 }	
	4 } Three Consecutive Transits of β Hydri	+ 0°215
	5 }	
	5 Two Consecutive Transits of Lacaille 5235	+ 0°202
	9 } Three Consecutive Transits of β Hydri	+ 0°254
	10 }	
	17 Meridian Mark	+ 0°223
	22 „	+ 0°216
	23 „	+ 0°241
	25 „	+ 0°297
	26 } Two Consecutive Transits of β Hydri	+ 0°427
	27 }	
	26 } Two Consecutive Transits of z Octantis.....	+ 0°372
	27 }	
August	27 Meridian Mark	+ 0°264
	28 } Three Consecutive Transits of z Octantis	+ 0°344
	30 }	
August	1 Meridian Mark	+ 0°387
	2 Two Consecutive Transits of z Octantis.....	+ 0°304
	5 Two Consecutive Transits of z Octantis.....	+ 0°403

TABLE III.—*continued.*

Azimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of Azimuth.
1867— <i>cont.</i>		"
August 10 } 11 }	Three Consecutive Transits of ρ Octantis	+ 0° 369
11	Meridian Mark	+ 0° 303
21 } 22 }	Two Consecutive Transits of γ Hydri	+ 0° 278
23	Meridian Mark	+ 0° 174
29 } 30 }	Three Consecutive Transits of γ Hydri	+ 0° 401
September 5 } 6 }	Two Consecutive Transits of α Trianguli Australis	+ 0° 239
11	Two Consecutive Transits of B.A.C. 5794.....	+ 0° 303
12	Meridian Mark	+ 0° 189
17 } 18 }	Four Consecutive Transits of α Trianguli Australis.....	+ 0° 468
20 } 21 }	Two Consecutive Transits of α Trianguli Australis	+ 0° 344
26	Meridian Mark	+ 0° 353
October 2	Meridian Mark	+ 0° 218
4	"	+ 0° 167
10	Three Consecutive Transits of α Trianguli Australis	+ 0° 348
14	Meridian Mark	+ 0° 089
15	"	+ 0° 150
18	"	+ 0° 080
21 } 22 }	Four Consecutive Transits of β Argûs	+ 0° 227
21 } 23 }	Six Consecutive Transits of α Trianguli Australis	+ 0° 283
24	Two Consecutive Transits of β Argûs	+ 0° 202
29 } 30 }	Three Consecutive Transits of α Trianguli Australis	+ 0° 236
November 1	Two Consecutive Transits of α Trianguli Australis	+ 0° 297
4	Two Consecutive Transits of α Trianguli Australis	+ 0° 255
15 } 16 }	Two Consecutive Transits of α Trianguli Australis	+ 0° 381
20 } 22 }	Six Consecutive Transits of α Trianguli Australis	+ 0° 221
25 } 26 }	Four Consecutive Transits of α Trianguli Australis.....	+ 0° 355

TABLE III.—*continued.**Azimuth-Errors of the Transit-Circle.*

Date.	Determining Stars or Object.	Error of Azimuth.
1867— <i>cont.</i>		
December 9	Two Consecutive Transits of β Hydri.....	+ 0'329
18	Two Consecutive Transits of α Trianguli Australis	+ 0'590
19 } 21 }	Five Consecutive Transits of β Hydri	+ 0'488
23	Two Consecutive Transits of α Trianguli Australis.....	+ 0'657
1868.		
January 4 } 5 }	Three Consecutive Transits of α Trianguli Australis	+ 0'998
7 } 10 }	Seven Consecutive Transits of α Trianguli Australis	+ 1'021
7 } 9 }	Five Consecutive Transits of β Hydri	+ 1'003
21 } 22 }	Three Consecutive Transits of β Hydri.....	+ 1'279
23 } 24 }	Three Consecutive Transits of α Trianguli Australis	+ 1'207
23 } 25 }	Five Consecutive Transits of β Hydri	+ 1'302
30 } 31 }	Three Consecutive Transits of β Hydri.....	+ 1'265
February 3	Two Consecutive Transits of β Hydri	+ 1'218
4	Meridian Mark	+ 1'108
17 } 18 }	Two Consecutive Transits of β Hydri	+ 1'110
20 } 22 }	Four Consecutive Transits of β Hydri	+ 1'252
20 } 21 }	Two Consecutive Transits of γ Hydri	+ 1'195
26 } 27 }	Two Consecutive Transits of β Hydri	+ 0'941
26 } 28 }	Five Consecutive Transits of γ Hydri	+ 1'046
March 4 } 5 }	Two Consecutive Transits of γ Hydri	+ 1'075
8 } 10 }	Four Consecutive Transits of β Hydri	+ 1'112
9 } 11 }	Four Consecutive Transits of γ Hydri	+ 1'063
11	Two Consecutive Transits of β Hydri	+ 1'075

TABLE III.—*continued.*

Azimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of Azimuth.
1868— <i>cont.</i>		
March	12 } Three Consecutive Transits of γ Hydri	+ 0.991
	13 }	
	16 Meridian Mark	+ 0.769
	20 Two Consecutive Transits of γ Hydri	+ 0.878
	23 } Three Consecutive Transits of γ Hydri	+ 0.961
	24 }	
	25 } Two Consecutive Transits of γ Hydri	+ 0.893
	26 }	
27 Meridian Mark	+ 0.713	
31 Two Consecutive Transits of γ Hydri	+ 0.723	
April	1 } Three Consecutive Transits of β Hydri	+ 0.839
	2 }	
	4 Meridian Mark	+ 0.494
	5 } Two Consecutive Transits of β Hydri	+ 0.761
	6 }	
	7 } Two Consecutive Transits of β Hydri	+ 0.640
	8 }	
	16 Meridian Mark	+ 0.364
	17 "	+ 0.384
	18 } Three Consecutive Transits of ϵ Pavonis	+ 0.407
	19 }	
	22 Meridian Mark	+ 0.324
	23 Two Consecutive Transits of β Hydri	+ 0.368
	24 Two Consecutive Transits of ϵ Pavonis	+ 0.484
	28 } Two Consecutive Transits of λ Octantis	+ 0.335
	29 }	
	26 } Ten Consecutive Transits of β Hydri.....	+ 0.354
	May	1 }
3 Meridian Mark		+ 0.243
5 Two Consecutive Transits of λ Octantis		+ 0.396
7 Meridian Mark		+ 0.209
10 "		+ 0.226
15 "		+ 0.266
15 } Four Consecutive Transits of λ Octantis		+ 0.384
16 }		
18 Meridian Mark		+ 0.328
22 } Two Consecutive Transits of λ Octantis.....		+ 0.441
23 }		

TABLE III.—*continued.**Azimuth-Errors of the Transit-Circle.*

Date.	Determining Stars or Object.	Error of Azimuth.
1868— <i>cont.</i>		
June		
2 } 3 }	Four Consecutive Transits of γ Octantis	+ 0° 358
2 } 3 }	Three Consecutive Transits of τ Octantis	+ 0° 259
5	Meridian Mark	+ 0° 150
6 } 9 }	Eight Consecutive Transits of τ Octantis	+ 0° 252
8	Two Consecutive Transits of γ Octantis	+ 0° 262
9	Meridian Mark	+ 0° 181
10 } 15 }	Eleven Consecutive Transits of τ Octantis	+ 0° 216
16 } 17 }	Two Consecutive Transits of τ Octantis	+ 0° 264
24	Meridian Mark	+ 0° 304
28 } 29 }	Three Consecutive Transits of σ Octantis	+ 0° 229
28 } 29 }	Three Consecutive Transits of Lacaille 5235	+ 0° 154
30	Meridian Mark	+ 0° 125
28 } 30 }	Four Consecutive Transits of β Hydri	+ 0° 115
July		
2	Meridian Mark	— 0° 008
6	Two Consecutive Transits of σ Octantis	— 0° 029
7	Two Consecutive Transits of β Hydri	+ 0° 095
7 } 8 }	Three Consecutive Transits of Lacaille 5235	+ 0° 075
9 } 10 }	Three Consecutive Transits of β Hydri	+ 0° 165
13 } 14 }	Three Consecutive Transits of β Hydri	+ 0° 401
20 } 23 }	Eight Consecutive Transits of α Octantis	+ 0° 411
21	Meridian Mark	+ 0° 203
26	Two Consecutive Transits of α Octantis	+ 0° 374
27 } 28 }	Three Consecutive Transits of α Octantis	+ 0° 470
August		
4	Meridian Mark	+ 0° 211
9 } 12 }	Seven Consecutive Transits of ρ Octantis	+ 0° 454
13 } 14 }	Four Consecutive Transits of ρ Octantis	+ 0° 450

TABLE III.—continued.

Azimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of Azimuth.
1868—cont.		"
August 20	Meridian Mark	+ 0.329
25	"	+ 0.462
27	"	+ 0.399
28 } 30 }	Five Consecutive Transits of γ Hydri	+ 0.405
September 2 } 3 }	Three Consecutive Transits of γ Apodis	+ 0.402
3	Meridian Mark	+ 0.387
4	"	+ 0.224
4	"	+ 0.276
5	"	+ 0.290
7	σ Octantis and α Ophiuchi	+ 0.460
18	σ Octantis and α Aquarii	+ 0.303
October 2	Two Consecutive Transits of β Hydri	+ 0.320
5 } 6 }	Four Consecutive Transits of α Trianguli Australis.....	+ 0.325
9	Meridian Mark	+ 0.314
14 } 16 }	Four Consecutive Transits of β Hydri	+ 0.319
15	Two Consecutive Transits of β Argus	+ 0.351
November 3 } 4 }	Three Consecutive Transits of β Argus	+ 0.270
4	Meridian Mark	+ 0.296
5 } 6 }	Three Consecutive Transits of β Argus	+ 0.213
26	Two Consecutive Transits of β Hydri	+ 0.379
December 4	Two Consecutive Transits of α Trianguli Australis.....	+ 0.323
6 } 7 }	Three Consecutive Transits of α Trianguli Australis	+ 0.232
9 } 11 }	Four Consecutive Transits of α Trianguli Australis.....	+ 0.369
16	Two Consecutive Transits of β Hydri	+ 0.411
18	Two Consecutive Transits of α Trianguli Australis	+ 0.421
20 } 21 }	Three Consecutive Transits of α Trianguli Australis	+ 0.426
27 } 30 }	Seven Consecutive Transits of α Trianguli Australis	+ 0.476

*Azimuth-Errors of the Transit-Circle,*TABLE III.—*continued.**Azimuth-Errors of the Transit-Circle.*

Date.	Determining Stars or Object.	Error of Azimuth.
1869.		
January		
4 } 5 }	Three Consecutive Transits of α Trianguli Australis	+ 0.730
6 } 8 }	Five Consecutive Transits of α Trianguli Australis	+ 0.749
7	Two Consecutive Transits of β Hydri	+ 0.684
11	Two Consecutive Transits of β Hydri	+ 0.835
23	Meridian Mark	+ 0.912
30	Two Consecutive Transits of β Hydri	+ 1.078
February		
10	Meridian Mark	+ 0.815
17 } 18 }	Three Consecutive Transits of α Trianguli Australis	+ 0.849
24	Meridian Mark	+ 0.717
March		
5 } 6 }	Three Consecutive Transits of γ Hydri.....	+ 0.615
9 } 10 }	Three Consecutive Transits of γ Hydri.....	+ 0.592
10	Meridian Mark	+ 0.445
24	Two Consecutive Transits of β Hydri	+ 0.272
26	Meridian Mark	+ 0.253
30 } 31 }	Three Consecutive Transits of β Hydri.....	+ 0.284
30	Meridian Mark	+ 0.227
April		
8	Meridian Mark	+ 0.141
9	"	+ 0.032
11 } 12 }	Three Consecutive Transits of β Hydri.....	+ 0.174
12 } 13 }	Three Consecutive Transits of ϵ Pavonis	+ 0.197
14	Meridian Mark	+ 0.072
22 } 23 }	Three Consecutive Transits of β Hydri.....	+ 0.125
22	Meridian Mark	+ 0.033
26 } 27 }	Three Consecutive Transits of Δ Octantis.....	+ 0.118
28	Meridian Mark	+ 0.016
28 } 30 }	Five Consecutive Transits of β Hydri	+ 0.167
30	Meridian Mark	+ 0.037

TABLE III.—*continued.*

Azimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of Azimuth.
1869— <i>cont.</i>		"
May 4	Meridian Mark	+ 0° 056
5	"	+ 0° 061
19	"	— 0° 146
19	"	— 0° 231
19	"	— 0° 196
20	"	— 0° 148
27 } 28 }	Four Consecutive Transits of λ Octantis	+ 0° 357
27 } 28 }	Four Consecutive Transits of ζ Octantis	+ 0° 345
June 2	Meridian Mark	+ 0° 361
2	"	+ 0° 315
4 } 5 }	Three Consecutive Transits of τ Octantis	+ 0° 512
6 } 10 }	Nine Consecutive Transits of τ Octantis	+ 0° 538
7	Meridian Mark	+ 0° 403
12	"	+ 0° 497
13 } 14 }	Two Consecutive Transits of τ Octantis.....	+ 0° 646
17 } 18 }	Three Consecutive Transits of τ Octantis	+ 0° 643
23	Meridian Mark	+ 0° 480
28	"	+ 0° 600
July 6	Meridian Mark	+ 0° 530
15 } 17 }	Five Consecutive Transits of κ Octantis.....	+ 0° 619
19 } 20 }	Three Consecutive Transits of κ Octantis	+ 0° 687
22 } 24 }	Four Consecutive Transits of κ Octantis	+ 0° 518
30	Meridian Mark	+ 0° 460
August 1	Meridian Mark	+ 0° 459
9	"	+ 0° 471
10 } 12 }	Four Consecutive Transits of ρ Octantis	+ 0° 589
14	Two Consecutive Transits of ρ Octantis.....	+ 0° 590

TABLE III.—*continued.**Azimuth-Errors of the Transit-Circle.*

Date.	Determining Stars or Object.	Error of Azimuth.
1869— <i>cont.</i>		"
August 15 } 16 }	Four Consecutive Transits of ρ Octantis	+ 0.582
25	Meridian Mark	+ 0.430
27 } 28 }	Three Consecutive Transits of B.A.C. 5412	+ 0.517
27 } 28 }	Three Consecutive Transits of B.A.C. 1454	+ 0.548
30 } 31 }	Three Consecutive Transits of B.A.C. 5510	+ 0.560
30 } 31 }	Four Consecutive Transits of B.A.C. 1454	+ 0.604
September 7	Meridian Mark	+ 0.371
16 } 17 }	Three Consecutive Transits of B.A.C. 5936	+ 0.485
21	σ Octantis and α Lyre	+ 0.435
23	Meridian Mark	+ 0.373
25	"	+ 0.359
October 14 } 15 }	Three Consecutive Transits of β Argus	+ 0.381
14	Meridian Mark	+ 0.337
November 11	Meridian Mark	+ 0.285
13	Two Consecutive Transits of β Hydri	+ 0.300
23 } 24 }	Three Consecutive Transits of β Hydri	+ 0.364
December 17 } 18 }	Two Consecutive Transits of β Hydri	+ 0.463
18	Meridian Mark	+ 0.377
27 } 29 }	Five Consecutive Transits of α Trianguli Australis.....	+ 0.591
29	Meridian Mark	+ 0.477
1870.		
January 12	Two Consecutive Transits of α Trianguli Australis	+ 0.744
19	Meridian Mark	+ 0.922
February 5	Two Consecutive Transits of β Hydri.....	+ 1.229

TABLE III.—continued.

Azimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of Azimuth.
1870—cont.		
February 6	Meridian Mark	+ 1'175
8 } 9 }	Two Consecutive Transits of β Hydri.....	+ 1'384
10 } 11 }	Four Consecutive Transits of α Trianguli Australis.....	+ 1'372
14	Two Consecutive Transits of α Trianguli Australis	+ 1'360
March 14	Meridian Mark	+ 1'197
16 } 17 }	Three Consecutive Transits of β Hydri	+ 1'282
21	Two Consecutive Transits of γ Hydri.....	+ 1'034
30 } 31 }	Three Consecutive Transits of β Hydri.....	+ 1'131
April 12 } 13 }	Two Consecutive Transits of β Hydri	+ 0'936
13	Meridian Mark	+ 0'808
22	"	+ 0'783
23	"	+ 0'737
24 } 26 }	Five Consecutive Transits of β Hydri	+ 0'763
May 9 } 10 }	Three Consecutive Transits of β Hydri	+ 0'631
16	Meridian Mark	+ 0'230
21	"	+ 0'152
28	"	+ 0'164
29	"	+ 0'108
30	"	+ 0'076
June 3	Meridian Mark	+ 0'184
8 } 9 }	Four Consecutive Transits of τ Octantis	+ 0'282
23	Meridian Mark	+ 0'246
30 }	Three Consecutive Transits of ϵ Octantis	+ 0'595
July 1 }		
4	Meridian Mark	+ 0'416
7	"	+ 0'475

TABLE III.—*continued.**Azimuth-Errors of the Transit-Circle.*

Date.	Determining Stars or Object.	Error of Azimuth.
1870— <i>cont.</i>		
July 13	Meridian Mark	+ 0.469
14 } 15 }	Three Consecutive Transits of β Hydri	+ 0.619
16	Meridian Mark	+ 0.471
18	Two Consecutive Transits of ϵ Octantis.....	+ 0.605
20	Meridian Mark	+ 0.479
23	"	+ 0.474
28	"	+ 0.470
28 } 29 }	Two Consecutive Transits of ϵ Octantis.....	+ 0.646
August 1	Two Consecutive Transits of ϵ Octantis.....	+ 0.666
1	Meridian Mark	+ 0.511
9	"	+ 0.517
10	Two Consecutive Transits of ρ Octantis.....	+ 0.676
18	Meridian Mark	+ 0.426
September 9	Meridian Mark	+ 0.460
20 } 22 }	Four Consecutive Transits of σ Octantis	+ 0.518
21	Meridian Mark	+ 0.522
23	"	+ 0.406
23 } 24 }	Three Consecutive Transits of σ Octantis.....	+ 0.465
October 5 } 6 }	Two Consecutive Transits of β Argûs.....	+ 0.518
10 } 11 }	Three Consecutive Transits of β Argûs.....	+ 0.406
November 4	Meridian Mark	+ 0.391
11	"	+ 0.317
12	"	+ 0.306
22 } 23 }	Four Consecutive Transits of γ Trianguli Australis.....	+ 0.556
24 } 25 }	Three Consecutive Transits of γ Trianguli Australis	+ 0.395
23 } 24 }	Three Consecutive Transits of β Hydri.....	+ 0.445

TABLE III.—concluded.

Azimuth-Errors of the Transit-Circle.

Date.	Determining Stars or Object.	Error of of Azimuth.
1870—cont.		
November 24 } 25 }	Three Consecutive Transits of β Hydri.....	+ 0.462
29	Meridian Mark	(+ 0.380)
December 1 } 2 }	Three Consecutive Transits of γ Trianguli Australis	+ 0.624
18 } 19 }	Three Consecutive Transits of α Trianguli Australis	+ 1.085
22 } 23 }	Three Consecutive Transits of α Trianguli Australis	+ 1.000
29	Two Consecutive Transits of α Trianguli Australis.....	+ 1.006

Rates of Transit-Clock,

TABLE IV.

Rates of Transit-Clock.

Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.
1866.		1866-cont.		1866-cont.		1866-cont.	
d h	"	d h	"	d h	"	d h	"
Jan. 1 13	+0'17	Mar. 28 0	—0'29	June 15 12	—0'77	Aug. 1 8	—0'75
3 15	+0'32	29 0	—0'32	17 23	—0'70	5 22	—0'67
5 16	+0'32	30 12	—0'37	18 23	—0'81	6 22	—0'78
8 2	+0'43	Apr. 3 23	—0'42	19 23	—0'75	9 22	—0'73
9 1	+0'32	5 16	—0'47	21 7	—0'69	5 22	—0'72
10 1	+0'15	7 18	—0'50	21 23	—0'82	7 7	—0'61
22 5	+0'20	8 22	—0'50	22 23	—0'84	10 7	—0'67
23 6	+0'32	9 23	—0'51	24 9	—0'80	19 6	—0'48
23 19	+0'32	10 23	—0'59	23 8	—0'92	23 10	—0'50
24 22	+0'14	13 6	—0'49	24 9	—0'84	3 23	—0'40
26 16	+0'05	20 5	—0'40	4 22	—0'81	4 23	—0'58
29 23	—0'20	23 8	—0'35	6 23	—0'66	6 22	—0'54
30 23	—0'15	22 7	—0'47	8 22	—0'76	9 23	—0'27
Feb. 5 17	—0'43	24 9	—0'58	9 22	—0'77	13 22	—0'19
7 18	—0'45	30 23	—0'49	10 22	—0'75	16 6	—0'20
19 15	—0'49	May 1 23	—0'39	12 22	—0'74	15 5	—0'19
23 15	—0'36	5 17	—0'44	13 23	—0'49	16 22	—0'04
25 14	—0'54	9 9	—0'39	16 11	—0'59	17 22	—0'02
Mar. 1 14	—0'60	11 22	—0'44	17 22	—0'75	19 8	—0'34
6 0	—0'43	14 22	—0'54	18 22	—0'97	21 10	—0'40
9 0	—0'49	16 6	—0'57	19 22	—0'90	23 22	—0'21
11 0	—0'48	17 7	—0'57	21 8	—0'83	22 10	—0'18
12 1	—0'48	18 6	—0'72	22 8	—0'85	23 11	—0'22
16 13	—0'43	19 6	—0'47	23 22	—0'97	26 13	—0'13
18 23	—0'32	21 7	—0'57	25 23	—0'92	24 22	—0'32
19 13	—0'48	22 6	—0'57	26 23	—0'92	26 22	—0'32
20 23	—0'50	23 7	—0'57	27 23	—0'92	27 22	—0'32
21 23	—0'50	24 22	—0'57	Aug. 1 8	—0'92	28 22	—0'32
22 23	—0'50	25 9	—0'57	July 28 13	—0'92	Oct. 3 14	—0'32
24 0	—0'61	26 10	—0'57				
25 14	—0'48	June 4 17	—0'72				
26 9	—0'35	7 23	—0'47				
25 23	—0'20	8 23	—0'57				
27 0	—0'20	10 23	—0'57				

1866 September 13. Clock tripping; contact-piece lowered.

TABLE IV.—continued.

Rates of Transit-Clock.

Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.
1866—cont.		1866—cont.		1867—cont.		1867—cont.	
d h	s	d h	s	d h	s	d h	s
Oct. 5 14	—0°54	Nov. 9 15		Jan. 11 14	—0°12	Feb. 28 0	—0°59
7 15		19 10	—0°18	14 14	—0°10	Mar. 1 23	—0°76
4 12	—0°28	21 13	—0°24	17 11	—0°30	2 10	—0°68
6 3	—0°51	24 14	—0°18	19 11		3 23	—0°75
8 1	—0°48	26 14	—0°11	15 14	—0°14	5 0	—0°72
9 15		28 14		17 8		5 12	—0°78
10 13	—0°41	23 14	—0°19	18 11	—0°22	6 23	—0°42
12 13	—0°39	25 15	—0°24	20 13	—0°23	7 12	—0°48
16 11	—0°24	27 13	—0°15	22 14	—0°32	13 0	—0°45
19 13		30 8	—0°23	25 15		13 22	—0°54
17 9	—0°21	Dec. 4 8	—0°35	23 15	—0°47	14 22	—0°82
20 9	—0°25	7 9	—0°41	25 23	—0°43	15 23	—0°49
21 10	—0°16	11 13		27 23	—0°50	16 10	—0°82
23 12		9 23	—0°34	28 23		17 11	—0°85
18 14	—0°21	10 23	—0°32	28 8	—0°53	18 23	—0°74
22 5	—0°08	11 22	—0°24	Feb. 1 9		21 21	—0°74
24 7		13 22	—0°33	2 10	—0°53	22 23	—0°90
24 13	—0°09	14 22	—0°35	3 23	—0°36	24 23	—0°87
26 15	—0°29	15 19	—0°46	4 23	—0°35	25 23	—0°72
29 13	—0°37	16 21	—0°36	5 23	—0°37	26 23	—0°67
Nov. 2 14	—0°42	18 22		6 16	—0°33	27 23	—0°78
4 10	—0°32	19 22	—0°35	10 22	—0°30	28 23	—0°84
6 14	—0°34	21 12	—0°46	11 22	—0°04	31 22	—0°76
9 8	—0°28	22 12	—0°47	12 12	—0°27	Apr. 2 22	—0°70
14 5	—0°16	23 15		13 22	—0°24	3 22	—0°63
16 8	—0°20	23 22	—0°30	14 12	—0°43	4 22	—0°94
18 9		24 15	—0°51	16 11	—0°39	5 23	—0°73
Oct. 30 13	—0°36	25 22	—0°29	17 22	—0°36	9 22	—0°81
Nov. 1 14	—0°43	26 22	—0°47	18 22	—0°35	11 22	—0°71
4 14		30 21		20 22	—0°40	12 23	—0°82
5 14	—0°33			21 22	—0°45	14 23	—1°02
8 14	—0°32	1867.		22 15		15 10	—0°04
13 8		Jan. 8 14	+0°01	22 21	—0°55	22 18	—0°96
7 7	—0°29	10 14		26 15	—0°85	23 22	—1°01

TABLE IV.—continued.

Rates of Transit-Clock.

Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.
1867—cont.		1867—cont.		1867—cont.		1867—cont.	
d h	s	d h	s	d h	s	d h	s
May 1 22	—0'72	July 1 22	—0'50	Sept. 10 23	—0'19	Nov. 6 23	
5 22	—0'77	2 23		11 22	—0'32	9 11	—0'70
6 4	—0'60	3 8	—0'45	12 22		10 23	—0'56
8 22	—0'71	4 22	—0'36	18 22	—0'43	11 22	—0'45
9 23	—0'60	5 22	—0'37	19 17		12 22	—0'55
10 22	—0'72	7 23	—0'47	19 22	—0'17	13 21	—0'66
12 8		8 22		22 21	—0'15	14 22	
12 22	—0'76	9 22	—0'35	24 22	—0'19	15 21	0'00
14 22	—0'77	10 7		26 0	—0'25	17 21	+0'09
16 11	—0'74	29 5	—0'19	26 22		19 9	—0'09
16 22	—0'70	30 22	—0'34	27 0	—0'35	20 1	+0'01
17 22	—0'66	Aug. 2 22	—0'48	29 18		20 22	
19 22	—0'68	4 20	—0'30	30 1	—0'37	21 0	—0'20
20 22	—0'54	5 22	—0'13	Oct. 1 21	—0'33	21 22	—0'17
23 8	—0'82	6 22	—0'40	2 1	—0'37	22 23	—0'53
30 11	—0'95	7 6	—0'22	3 1	—0'52	24 23	—0'41
June 1 8	—0'92	9 22	—0'30	6 6	—0'35	26 22	—0'41
2 23		12 10	—0'09	7 23	—0'77	27 22	—0'13
3 1	—0'74	16 22	—0'19	8 23		29 23	—0'22
4 20		17 14	—0'11	9 8	—0'55	Dec. 1 22	—0'41
4 23	—0'97	18 15	—0'12	13 12	—0'51	6 22	—0'37
6 23		20 22	—0'02	16 23		8 22	—0'15
7 0	—0'95	21 22		18 0	—0'49	9 11	—0'31
8 0		27 21	—0'21	21 6	—0'19	11 22	—0'36
10 23	—1'14	28 21	—0'17	22 22		18 22	—0'23
12 0	—1'08	29 22	—0'15	23 21	—0'70	19 8	—0'28
14 23	—0'90	Sept. 1 23	—0'07	24 22	—0'25	19 22	—0'27
16 21	—1'02	2 23	+0'05	26 23	—0'41	20 22	—0'37
17 22	—1'07	3 23	—0'26	28 22	—0'49	22 22	—0'38
18 22	—1'09	4 23	—0'19	29 22	—0'60	23 22	—0'31
19 23	—0'99	5 23	—0'17	31 22	—0'60	26 22	—0'39
23 22	—0'82	6 23		Nov. 1 22	—0'67	29 23	—0'04
25 23	—0'49	7 8	—0'27	3 22	—0'61	30 22	—0'24
30 22	—0'40	8 23	—0'21	5 22	—0'67		

1867 July 10-26, Hardy under adjustment; Molyneux used. July 15^d, 18^h, 16^d. o^h.
 Pendulum adjusted. July 29^d. o^h. Seconds hand found loose.

TABLE IV.—continued.

Rates of Transit-Clock.

Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.
1868.		1868—cont.		1868—cont.		1868—cont.	
d h s		d h s		d h s		d h s	
Jan. 2 22	—0'32	Feb. 27 0		Apr. 18 18	—1'10	June 9 22	—1'14
3 22	—0'34	28 7	—0'56	19 18		10 19	—1'10
5 21	—0'15	Mar. 5 6		14 23	—0'93	11 23	—1'23
8 7	—0'55	Feb. 17 22	—0'44	24 2	—0'92	12 23	—1'21
8 23	—0'14	Mar. 5 22	—0'48	24 23	—0'93	14 20	
10 0	—0'20	6 23	—0'34	27 2	—0'99	7 23	—1'11
12 15	—0'29	8 12	—0'47	27 23	—0'75	16 21	—0'76
13 22	—0'12	8 23	—0'28	28 22	—1'04	17 23	—0'67
14 22	—0'21	9 23	—0'26	29 22	—0'87	18 23	—0'88
15 23	—0'33	10 22	—0'25	30 22	—0'90	19 22	—0'82
17 22	—0'33	11 22	—0'39	May 2 8	—0'93	21 22	—0'90
19 22	—0'44	12 15	—0'52	4 22	—0'93	23 18	
20 22	—0'09	15 22	—0'58	5 22	—1'12	14 20	—0'83
21 9	—0'47	16 22	—0'63	8 23	—1'15	28 7	—0'80
21 22	—0'32	17 22		12 23	—1'02	28 22	—0'76
22 22	—0'32	18 23	—0'75	13 23	—1'25	30 3	—0'84
23 21	—0'36	20 23	—0'69	14 23	—1'13	July 1 22	—0'52
26 22	—0'41	22 23	—0'70	16 0	—1'10	7 0	—0'64
27 23	—0'41	23 23	—0'75	16 18	—1'25	7 18	—0'78
30 21	—0'55	24 23	—0'60	19 21	—1'06	9 15	—0'80
31 21	—0'48	25 23	—0'73	22 22	—0'90	10 22	—0'92
Feb. 2 21	—0'27	27 23	—0'70	25 22	—0'93	12 22	—0'76
3 7	—0'43	30 22	—0'84	26 22	—1'15	13 22	—0'67
5 23	—0'39	31 22	—0'93	June 1 22	—1'07	14 22	—0'70
6 23	—0'49	Apr. 1 22	—0'78	6 0		15 22	—0'88
7 23	—0'48	2 22	—0'91	3 0	—1'04	16 7	—0'79
9 23	—0'43	3 22	—0'85	3 22		19 22	—0'64
12 16	—0'43	5 22	—0'79	6 12	—1'03	20 21	—0'83
13 22	—0'51	6 22	—0'95	7 12	—1'11	21 21	—0'62
17 22		7 22	—0'91	7 23		22 21	—0'77
19 9	—0'39	10 22	—1'15	6 0	—1'00	23 21	—0'74
21 10		11 16	—1'00	7 14	—1'23	24 23	—0'57
25 0	—0'35	13 23	—1'03	7 22	—1'06	27 6	—0'76
26 0	—0'32	14 23		8 22	—1'08	28 6	—0'24

1868 July 7^d. ob. Clock tripped 4^h

Rates of Transit-Clock.

TABLE IV.—continued.

Rates of Transit-Clock.

Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.
1868—cont.		1868—cont.		1868—cont.		1869—cont.	
d h	s	d h	s	d h	s	d h	s
July 29 22	—0'89	Oct. 5 22	—0'48	Dec. 3 22	—0'39	Jan. 24 23	—0'29
Aug. 2 9	—0'45	7 23	—0'44	4 22	—0'46	25 23	—0'51
2 22	—0'92	9 22	—0'59	7 22	—0'39	26 23	—0'36
4 22		12 22	—0'51	9 22	—0'45	29 23	—0'24
7 22	—0'74	14 21	—0'50	10 22	—0'54	30 15	—0'31
9 6	—0'82	19 0	—0'18	11 22	—0'41	31 16	—0'26
9 16	—0'48	20 0	—0'34	14 22	—0'43	Feb. 4 22	—0'35
11 14	—0'57	20 22	—0'45	15 22	—0'49	5 22	—0'30
13 2	—0'76	22 0	—0'45	16 22	—0'54	7 22	—0'07
25 6	—0'67	22 23	—0'42	17 22	—0'52	9 22	—0'01
27 23	—0'51	24 0	—0'41	18 21	—0'40	10 20	—0'19
28 23	—0'70	26 0	—0'52	20 21	—0'28	12 22	—0'16
29 9	—0'65	27 22	—0'58	21 21	—0'36	14 22	—0'06
30 10	—0'62	29 23	—0'68	22 21	—0'54	15 22	—0'23
30 23	—0'72	30 22	—0'58	23 21	—0'29	16 22	—0'28
31 23	—0'65	Nov. 1 22	—0'66	28 8	—0'50	17 22	—0'39
Sept. 1 12	—0'47	2 22	—0'64	28 21	—0'37	18 22	—0'43
1 22	—0'67	3 23	—0'49	29 21		21 22	—0'38
4 22	—0'77	4 16	—0'50			23 10	—0'38
6 22	—0'69	5 23	—0'63	1869.		25 12	—0'49
9 22	—0'62	6 23	—0'68	Jan. 3 21	—0'35	26 22	—0'47
13 22	—0'66	10 22	—0'43	4 22	—0'52	Mar. 1 16	
18 21	—0'64	12 23	—0'33	6 22	—0'40	1 23	—0'43
20 21		13 22	—0'53	7 22	—0'54	3 23	—0'46
18 1	—0'70	15 23	—0'38	8 23	—0'29	4 23	—0'29
23 22	—0'50	16 22	—0'51	12 0	—0'13	5 23	—0'31
24 22		17 21	—0'43	12 21	—0'14	8 23	—0'66
20 21	—0'54	18 21	—0'49	14 23	—0'18	9 23	—0'59
24 2	—0'55	22 21	—0'40	15 23	—0'43	12 23	—0'67
27 9	—0'65	24 22	—0'27	17 23	—0'19	14 23	—1'09
28 22	—0'56	26 9	—0'34	21 21	—0'21	15 23	—0'23
30 22	—0'58	30 21	—0'68	22 22	—0'10	16 23	—0'45
Oct. 2 0	—0'61	Dec. 1 22	—0'39	23 8	—0'47	17 23	—0'75
5 0	—0'51	2 21	—0'51	24 9	—0'26	18 22	—0'65

TABLE IV.—continued.

Rates of Transit-Clock.

Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.
1869—cont.		1869—cont.		1869—cont.		1869—cont.	
d h	s	d h	s	d h	s	d h	s
Mar. 21 6	—0°74	May 27 22	—1°11	July 25 23	—1°19	Sept. 16 22	—0°62
23 6	—0°72	30 21	—1°04	26 23	—0°91	18 10	—0°64
24 0	—0°72	31 23	—1°14	28 22	—1°08	20 22	—0°53
24 22	—0°83	June 1 22	—1°17	29 22	—0°99	22 22	—0°53
28 13	—0°94	3 22	—1°06	Aug. 2 22	—0°90	26 22	—0°31
30 23	—0°87	4 23	—1°21	4 21	—0°83	27 17	—0°55
31 23	—0°89	6 23	—1°05	6 21	—0°76	29 22	—0°58
Apr. 1 22	—0°80	7 22	—1°08	8 22	—0°79	Oct. 1 23	—0°62
4 22	—0°94	8 22	—1°07	10 21	—0°65	3 23	—0°53
5 22	—0°89	9 23	—1°09	11 21	—0°79	4 23	—0°61
6 23	—0°93	11 23	—1°19	13 21	—0°84	7 23	—0°64
8 22	—0°93	13 23	—1°17	14 6	—0°63	10 23	—0°62
9 22	—1°02	14 23	—0°99	14 21	—0°43	12 6	—0°51
11 22	—0°81	15 23	—1°09	15 21	—0°25	4 23	—0°56
12 22	—0°67	16 23	—1°27	17 8	—0°46	11 23	—0°48
15 21	—0°74	17 23	—1°25	18 22	—0°48	14 9	—0°66
18 21	—1°07	21 23	—1°10	19 22	—0°41	15 0	—0°49
20 7	—1°18	23 22	—1°12	22 22	—0°47	16 9	—0°63
21 23	—1°09	30 20	—1°12	23 22	—0°60	18 0	—0°55
22 22	—1°15	July 1 22	—0°93	24 21	—0°62	20 0	—0°47
26 22	—1°08	4 22	—1°10	25 14	—0°80	21 0	—0°48
27 22	—1°01	7 22	—0°96	26 22	—0°66	24 18	—0°52
28 22	—0°87	8 22	—0°93	27 22	—0°63	25 23	—0°57
29 22	—0°82	11 22	—1°00	29 21	—0°70	27 23	—0°70
30 22	—0°73	13 22	—0°95	30 22	—0°69	29 21	—0°52
May 2 21	—1°22	15 5	—1°00	31 22	—0°65	Nov. 2 22	—0°48
3 22	—1°26	15 22	—1°00	Sept. 2 22	—0°66	3 22	—0°57
9 21	—1°32	16 22	—0°86	3 21	—0°47	7 21	—0°52
10 22	—1°36	19 3	—0°79	5 22	—0°60	8 21	—0°49
17 23	—1°01	19 22	—0°84	8 22	—0°50	9 22	—0°65
20 8	—1°04	20 22	—0°95	9 23		11 6	—0°60
24 23		21 21		13 7		11 23	—0°67
25 22		22 21		14 22		13 8	
26 22		23 21		15 22		14 21	
1869 August 14 ^d 21 ^h Clock found stopped.							

Rates of Transit-Clock,

TABLE IV.—continued.

Rates of Transit-Clock.

Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.
1869—cont.		1870—cont.		1870—cont.		1870—cont.	
d h	s	d h	s	d h	s	d h	s
Nov. 15 21	—0° 61	Jan. 8 0	—0° 31	Mar. 17 23		June 9 23	—0° 46
18 21	—0° 48	10 0		16 14	—0° 45	11 8	—0° 56
19 21	—0° 40	3 21	—0° 28	18 23	—0° 49	16 22	—0° 67
21 22	—0° 50	11 7	—0° 31	20 23	—0° 37	26 22	—0° 53
22 22	—0° 38	12 0	—0° 35	21 23	—0° 47	27 22	—0° 52
23 22	—0° 39	13 6	—0° 22	29 23	—0° 35	28 22	—0° 54
25 22	—0° 51	13 23	—0° 38	30 22	—0° 39	29 22	—0° 42
26 22	—0° 51	14 22	—0° 34	31 22	—0° 43	30 22	—0° 50
28 22	—0° 49	15 11	—0° 41	Apr. 3 23	—0° 41	July 11 22	—0° 29
29 22		16 23	—0° 51	4 22	—0° 31	13 22	—0° 29
Dec. 7 9	—2° 58	17 22	—0° 58	9 4	—0° 35	14 21	—0° 31
7 21	—1° 42	25 23	—0° 66	10 22	—0° 34	15 21	—0° 47
8 22	—1° 62	26 21	—0° 63	11 22	—0° 33	17 22	—0° 42
9 23		27 23	—0° 73	12 22	—0° 36	19 22	—0° 74
10 7	+1° 04	Feb. 3 23	—0° 62	14 3	—0° 24	21 23	—0° 89
11 7		4 23	—0° 77	15 23	—0° 52	22 23	—0° 69
12 7	+0° 14	7 23	—0° 82	19 23	—0° 40	25 23	
15 9		8 23	—0° 72	20 23	—0° 56	Aug. 6 7	—0° 68
10 22	+0° 25	9 22	—0° 71	22 23	—0° 46	7 22	—0° 78
15 22	+0° 14	10 22	—0° 56	24 23	—0° 50	8 22	—0° 77
16 22	+0° 10	11 22	—0° 64	25 23	—0° 46	9 22	—0° 63
18 11	—0° 13	13 10	—0° 92	26 23	—0° 51	10 22	—0° 88
19 21	+0° 06	13 21	—0° 77	27 22	—0° 44	13 14	—0° 68
20 21	+0° 04	14 21	—0° 75	May 9 22	—0° 58	14 22	—0° 64
22 17	—0° 17	15 21	—0° 79	11 0	—0° 61	15 22	—0° 95
27 20	—0° 22	16 21	—0° 61	11 21	—0° 67	17 2	—0° 46
28 22	—0° 24	17 21	—0° 78	15 21	—0° 65	17 22	—0° 72
29 22	—0° 18	20 21	—0° 72	18 22	—0° 65	19 22	
30 22	—0° 28	21 18		19 22	—0° 61	30 22	—0° 53
1870.		Mar. 11 7	—0° 49	24 22	—0° 60	31 22	—0° 49
Jan. 3 21		14 10		June 1 22	—0° 55	Sept. 2 22	—0° 42
5 23	—0° 17	12 8	—0° 45	7 6	—0° 53	7 22	—0° 40
6 23	—0° 32	15 11		8 6	—0° 49	8 22	—0° 41
		15 23	—0° 32	8 23	—0° 56	11 22	—0° 63

1869 November 30^d. 1^h. Weight-cord broke.

December 2-7, 10-12. Clock undergoing adjustment.

TABLE IV.—concluded.

Rates of Transit-Clock.

Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.	Date.	Daily Losing Rate.
1870—cont.		1870—cont.		1870—cont.		1870—cont.	
d h	s	d h	s	d h	s	d h	s
Sept. 12 22	—0' 49	Oct. 13 23	—0' 49	Nov. 29 9	—0' 93	Dec. 18 21	—1' 12
16 21	—0' 59	14 23	—0' 54	Dec. 1 22	—0' 98	19 21	—0' 91
18 21	—0' 47	18 23		4 23	—0' 95	22 21	—0' 96
21 21	—0' 48	Nov. 2 22	—0' 69	6 22	—0' 91	23 22	—1' 12
25 21	—0' 41	3 22	—0' 76	8 9	—1' 18	26 22	—0' 66
27 22	—0' 55	4 18		8 22	—1' 00	27 8	—0' 93
29 22	—0' 40	17 23	—0' 81	9 22	—0' 90	28 22	—1' 11
Oct. 3 22	—0' 44	18 22	—1' 02	11 22	—1' 05	29 22	—0' 94
6 7	—0' 41	23 10	—0' 70	12 22	—0' 96	30 22	
10 12	—0' 27	23 22	—1' 02	13 22	—0' 99		
10 22	—0' 39	25 22	—0' 99	14 22	—1' 08		
12 23	—0' 55	28 23	—1' 15	16 21	—0' 83		

Mean Run of the Microscope-Micrometers,

TABLE V.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1866.				1866—cont.			
	d h	o r			d h	o r	
January	2 22	G	50 4'823	March	11 22	G	350 4'828
			60 4'822				0 4'828
			70 4'821			10	4'829
7 22	G	80 4'820		18 23	G	20 4'824	
		90 4'825				30 4'822	
		100 4'823				40 4'824	
14 22	G	110 4'824		25 22	G	50 4'826	
		120 4'833				60 4'827	
		130 4'831				70 4'826	
21 22	G	140 4'827		April	2 22	G	80 4'828
		150 4'827				90 4'829	
		160 4'822				100 4'829	
28 22	G	170 4'831		8 22	G	110 4'830	
		180 4'824				120 4'825	
		190 4'828				130 4'826	
February	5 23	G	200 4'824	15 22	G	140 4'827	
		210 4'825				150 4'823	
		220 4'825				160 4'825	
11 23	G	230 4'828		23 3	G	170 4'822	
		240 4'828				180 4'825	
		250 4'824				190 4'827	
18 23	G	260 4'826		29 22	G	200 4'818	
		270 4'826				210 4'825	
		280 4'822				220 4'826	
25 22	G	290 4'834		May	6 22	G	230 4'824
		300 4'828				240 4'823	
		310 4'829				250 4'824	
25 22	G	290 4'824		13 23	G	260 4'822	
		300 4'823				270 4'825	
		310 4'829				280 4'820	
March	4 22	G	320 4'825	21 23	G	290 4'824	
		330 4'825				300 4'826	
		340 4'823				310 4'820	

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1866—cont.				1866—cont.			
		o	r			o	r
May 27 23	G	320	4·821	August 12 23	G	290	4·821
		330	4·825			300	4·822
		340	4·824			310	4·826
June 4 3	G	350	4·824			320	4·824
		0	4·824			330	4·828
		10	4·824			340	4·827
10 23	G	20	4·823			350	4·822
		30	4·824			0	4·821
		40	4·827			10	4·829
17 22	G	50	4·826	September 2 22	G	20	4·818
		60	4·823			30	4·825
		70	4·821			40	4·827
25 22	GF	80	4·829			50	4·822
		90	4·827			60	4·828
		100	4·826			70	4·827
July 1 22	G	110	4·823			80	4·825
		120	4·824			90	4·827
		130	4·832			100	4·824
8 22	G	140	4·827			110	4·826
		150	4·824			120	4·826
		160	4·819			130	4·825
15 23	G	170	4·825			140	4·821
		180	4·827			150	4·824
		190	4·826			160	4·821
22 22	G	200	4·823	October 7 22	G	170	4·830
		210	4·821			180	4·822
		220	4·827			190	4·824
30 23	G	230	4·823			200	4·826
		240	4·821			210	4·825
		250	4·827			220	4·823
August 5 22	G	260	4·821			230	4·830
		270	4·823			240	4·822
		280	4·823			250	4·824

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1866—cont.				1866—cont.			
October ^d 28 ^h 23	G	^o 260	^r 4·826	December ^d 30 ^h 23	G	^o 200	4·826
		270	4·824			210	4·830
		280	4·827			220	4·825
November 4 22	G	290	4·816				
		300	4·825	1867.			
		310	4·825	January 6 23	G	230	4·829
11 0	G	320	4·824			240	4·829
		330	4·825			250	4·829
		340	4·828	13 22	G	260	4·832
19 0	G	350	4·829			270	4·825
		0	4·829			280	4·829
		10	4·836	20 22	G	290	4·829
19 3	G	350	4·827			300	4·825
		0	4·826			310	4·829
		10	4·828	27 22	G	320	4·824
20 24	G	20	4·824			330	4·820
		30	4·830			340	4·825
		40	4·825	February 3 23	G	350	4·831
25 22	G	50	4·827			0	4·823
		60	4·826			10	4·828
		70	4·825	10 23	G	20	4·826
December 2 22	G	80	4·826			30	4·829
		90	4·821			40	4·825
		100	4·830	17 22	G	50	4·826
9 22	G	110	4·820			60	4·823
		120	4·824			70	4·828
		130	4·823	24 22	G	80	4·819
16 22	G	140	4·826			90	4·827
		150	4·826			100	4·829
		160	4·825	March 3 22	G	110	4·828
23 23	G	170	4·827			120	4·825
		180	4·827			130	4·827
		190	4·826				

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1867—cont.				1867—cont.			
		o	r			o	r
March 10 23	G	140	4·828	May 19 23	G	80	4·821
		150	4·826			90	4·825
		160	4·826			100	4·822
18 22	G	170	4·827	26 22	G	110	4·825
		180	4·823			120	4·824
		190	4·831			130	4·819
24 22	G	200	4·826	June 2 22	G	140	4·828
		210	4·823			150	4·825
		220	4·830			160	4·827
31 21	G	230	4·831	10 22	G	170	4·828
		240	4·833			180	4·827
		250	4·829			190	4·830
31 21	G	230	4·831	16 22	G	200	4·826
		240	4·837			210	4·825
		250	4·825			220	4·827
April 7 23	G	260	4·832	23 22	G	230	4·828
		270	4·830			240	4·826
		280	4·828			250	4·831
14 23	G	290	4·822	30 22	G	260	4·827
		300	4·823			270	4·828
		310	4·832			280	4·828
23 3	G	320	4·824	July 7 22	G	290	4·824
		330	4·823			300	4·821
		340	4·827			310	4·823
28 22	G	350	4·830	14 22	G	320	4·827
		0	4·829			330	4·826
		10	4·825			340	4·826
May 6 3	G	20	4·826	21 22	G	350	4·825
		30	4·827			0	4·821
		40	4·825			10	4·824
12 23	G	50	4·830	28 22	G	20	4·829
		60	4·824			30	4·823
		70	4·826			40	4·828

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1867—cont.				1867—cont.			
August	d h	o r		October	d h	o r	
	4 22	G 50	4·822		20 22	G 20	4·826
			60			30	4·824
			70			40	4·827
	11 22	G 80	4·821		27 21	G 50	4·828
			90			60	4·824
			100			70	4·823
	20 4	G 110	4·822	November	3 23	G 80	4·830
			120			90	4·828
			130			100	4·824
	25 22	G 140	4·825		10 22	G 110	4·826
			150			120	4·824
			160			130	4·824
September	2 3	G 170	4·826		17 23	G 140	4·823
			180			150	4·824
			190			160	4·828
	8 22	G 200	4·826		24 23	G 170	4·824
			210			180	4·825
			220			190	4·829
	15 22	G 230	4·826	December	1 22	G 200	4·828
			240			210	4·825
			250			220	4·829
	22 23	G 260	4·828		8 23	G 230	4·828
			270			240	4·830
			280			250	4·830
	29 22	G 290	4·826		16 24	G 260	4·828
			300			270	4·823
			310			280	4·825
October	7 0	G 320	4·827		22 22	G 290	4·828
			330			300	4·828
			340			310	4·825
	13 22	G 350	4·823		29 23	G 320	4·824
			0			330	4·823
			10			340	4·827

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1866.				1866—cont.			
d h		°	r	d h		°	r
January 5 23	G	350	4·823	March 22 22	G	320	4·827
		0	4·823			330	4·826
		10	4·828			340	4·829
12 22	G	20	4·827	30 22	G	350	4·828
		30	4·827			0	4·824
		40	4·827			10	4·826
19 22	G	50	4·826	April 5 22	G	20	4·826
		60	4·825			30	4·829
		70	4·826			40	4·827
26 22	G	80	4·825	13 22	G	50	4·831
		90	4·834			60	4·826
		100	4·830			70	4·827
February 2 22	G	110	4·830	19 22	G	80	4·827
		120	4·827			90	4·830
		130	4·830			100	4·829
9 22	G	140	4·828	26 23	G	110	4·828
		150	4·825			120	4·827
		160	4·826			130	4·825
17 0	G	170	4·833	May 3 22	G	140	4·827
		180	4·829			150	4·827
		190	4·830			160	4·827
23 23	W	200	4·826	10 23	G	170	4·825
		210	4·823			180	4·826
		220	4·828			190	4·831
March 1 23	W	230	4·825	17 22	G	200	4·831
		240	4·825			210	4·827
		250	4·827			220	4·831
8 22	G	260	4·824	25 22	G	230	4·830
		270	4·827			240	4·826
		280	4·824			250	4·828
15 23	G	290	4·833	June 1 23	G	260	4·824
		300	4·830			270	4·830
		310	4·830			280	4·827

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.	
1868—cont.				1868—cont.				
June	d h	o r		August	d h	o r		
7	22	G	290 4·833	23	22	G	260 4·825	
			300 4·825				270 4·830	
			310 4·828				280 4·827	
14	23	G	320 4·828	30	22	G	290 4·826	
			330 4·828				300 4·827	
			340 4·827				310 4·828	
21	22	G	350 4·826	September 6	22	G	320 4·827	
			0 4·829				330 4·828	
			10 4·825				340 4·826	
28	22	G	20 4·825	13	23	G	350 4·823	
			30 4·830				0 4·826	
			40 4·826				10 4·824	
July	5	22	G	50 4·830	20	23	G	20 4·826
			60 4·824				30 4·821	
			70 4·828				40 4·827	
12	22	G	80 4·822	27	22	G	50 4·822	
			90 4·825				60 4·823	
			100 4·829				70 4·830	
19	22	G	110 4·827	October 4	23	G	80 4·829	
			120 4·822				90 4·827	
			130 4·827				100 4·823	
26	22	G	140 4·823	11	23	G	110 4·827	
			150 4·826				120 4·827	
			160 4·817				130 4·826	
August	2	22	G	170 4·822	18	22	G	140 4·819
			180 4·823				150 4·827	
			190 4·830				160 4·825	
9	23	G	200 4·831	25	22	G	170 4·825	
			210 4·829				180 4·824	
			220 4·825				190 4·829	
16	23	G	230 4·824	November 2	3	G	200 4·828	
			240 4·822				210 4·827	
			250 4·828				220 4·828	

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1868—cont.				1869—cont.			
d h		o	r	d h		o	r
November 9 0	G	230	4.825	January 17 22	G	170	4.824
		240	4.822			180	4.826
		250	4.826			190	4.825
15 23	G	260	4.823	24 22	G	200	4.817
		270	4.827			210	4.824
		280	4.829			220	4.830
22 22	G	290	4.825	31 22	G	230	4.829
		300	4.823			240	4.825
		310	4.826			250	4.827
29 22	G	320	4.828	February 7 22	G	260	4.823
		330	4.825			270	4.827
		340	4.827			280	4.823
December 6 22	G	350	4.822	14 22	G	290	4.829
		0	4.822			300	4.830
		10	4.823			310	4.832
13 23	G	20	4.819	21 22	G	320	4.827
		30	4.824			330	4.823
		40	4.828			340	4.828
20 22	G	50	4.825	28 22	G	350	4.827
		60	4.826			0	4.829
		70	4.824			10	4.826
27 22	G	80	4.828	March 7 23	G	20	4.826
		90	4.822			30	4.825
		100	4.824			40	4.830
				14 22	G	50	4.824
1869.						60	4.827
January 3 23	G	110	4.823			70	4.828
		120	4.830	21 22	G	80	4.824
		130	4.827			90	4.828
10 22	G	140	4.820			100	4.830
		150	4.828	29 22	G	110	4.831
		160	4.828			120	4.824
						130	4.824

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1869—cont.				1869—cont.			
April	d h	o r		June	d h	o r	
4 22	G	140 4'826		27 23	G	110 4'826	
		150 4'822				120 4'829	
		160 4'826				130 4'829	
11 23	G	170 4'832		July 4 22	G	140 4'820	
		180 4'825				150 4'824	
		190 4'827				160 4'823	
18 22	G	200 4'824		11 22	G	170 4'822	
		210 4'828				180 4'823	
		220 4'827				190 4'827	
25 23	G	230 4'825		18 22	G	200 4'823	
		240 4'829				210 4'827	
		250 4'830				220 4'827	
May 2 22	G	260 4'823		25 22	G	230 4'824	
		270 4'822				240 4'832	
		280 4'824				250 4'833	
17 23	G	290 4'823		August 1 22	G	260 4'825	
		300 4'828				270 4'826	
		310 4'824				280 4'826	
24 23	G	320 4'825		8 22	G	290 4'823	
		330 4'825				300 4'825	
		340 4'822				310 4'824	
30 22	G	350 4'818		15 22	G	320 4'823	
		0 4'817				330 4'825	
		10 4'825				340 4'825	
June 6 23	G	20 4'825		22 22	G	350 4'830	
		30 4'823				0 4'825	
		40 4'822				10 4'825	
13 22	G	50 4'818		29 22	G	20 4'819	
		60 4'820				30 4'822	
		70 4'827				40 4'826	
20 22	G	80 4'827		September 5 23	G	50 4'822	
		90 4'825				60 4'818	
		100 4'828				70 4'825	

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1869—cont.				1869—cont.			
d h		°	r	d h		°	r
September 12 22	G	80	4'824	November 28 23	G	50	4'825
		90	4'823			60	4'821
		100	4'823			70	4'825
19 22	G	110	4'819	December 5 23	G	80	4'828
		120	4'821			90	4'825
		130	4'827			100	4'826
26 23	G	140	4'826	12 22	G	110	4'825
		150	4'824			120	4'822
		160	4'830			130	4'830
October 3 22	G	170	4'820	19 22	G	140	4'825
		180	4'827			150	4'829
		190	4'829			160	4'825
11 0	G	200	4'823	27 23	G	170	4'830
		210	4'820			180	4'826
		220	4'828			190	4'834
17 23	G	230	4'826				
		240	4'829	1870.			
		250	4'823	January 3 23	G	200	4'819
24 23	G	260	4'821			210	4'827
		270	4'827			220	4'829
		280	4'820			230	4'821
31 23	G	290	4'819	9 23	G	240	4'820
		300	4'822			250	4'828
		310	4'823			260	4'827
November 7 23	G	320	4'827	16 23	G	270	4'819
		330	4'825			280	4'825
		340	4'828			290	4'832
14 22	G	350	4'826	23 23	G	300	4'825
		0	4'823			310	4'834
		10	4'826			320	4'827
21 22	G	20	4'827	30 22	G	330	4'823
		30	4'825			340	4'823
		40	4'825				

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1870—cont.				1870—cont.			
February	d h	°	r	April	d h	°	r
6	21	G 350	4'831	24	22	G 320	4'828
		0	4'823			330	4'825
		10	4'830			340	4'831
13	21	G 20	4'826	May	1	22	G 350
		30	4'826			0	4'823
		40	4'828			10	4'824
20	22	G 50	4'825	8	22	G 20	4'821
		60	4'827			30	4'825
		70	4'827			40	4'831
27	22	G 80	4'825	15	21	G 50	4'827
		90	4'822			60	4'823
		100	4'828			70	4'828
March	6	22	G 110	22	22	G 80	4'825
			120			90	4'826
			130			100	4'825
13	23	G 140	4'829	29	22	G 110	4'824
		150	4'825			120	4'824
		160	4'827			130	4'830
20	22	G 170	4'824	June	6	23	G 140
		180	4'824			150	4'825
		190	4'830			160	4'822
27	22	G 200	4'828	13	1	G 170	4'830
		210	4'824			180	4'825
		220	4'827			190	4'826
April	3	22	G 230	19	22	G 200	4'819
			240			210	4'823
			250			220	4'828
10	22	G 260	4'827	26	23	G 230	4'823
		270	4'824			240	4'815
		280	4'826			250	4'819
19	0	G 290	4'826	July	3	23	G 260
		300	4'829			270	4'823
		310	4'828			280	4'830

TABLE V.—continued.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.	Observer.	Pointer Reading.	Mean Run.	Date.	Observer.	Pointer Reading.	Mean Run.
1870—cont.				1870—cont.			
		°	r			°	r
July 11 23	G	290	4·827	September 25 22	G	260	4·822
		300	4·823			270	4·821
		310	4·829			280	4·826
17 23	G	320	4·824	October 2 22	G	290	4·828
		330	4·823			300	4·823
		340	4·825			310	4·827
24 23	G	350	4·820	9 23	G	320	4·822
		0	4·818			330	4·826
		10	4·826			340	4·822
31 23	G	20	4·823	16 22	G	350	4·822
		30	4·832			0	4·822
		40	4·826			10	4·822
August 7 23	G	50	4·823	23 22	G	20	4·818
		60	4·819			30	4·821
		70	4·824			40	4·823
15 22	G	80	4·819	30 22	G	50	4·828
		90	4·819			60	4·823
		100	4·826			70	4·826
21 23	G	110	4·828	November 6 22	G	80	4·821
		120	4·825			90	4·829
		130	4·830			100	4·824
28 22	G	140	4·825	13 22	G	110	4·821
		150	4·825			120	4·824
		160	4·817			130	4·823
September 4 23	G	170	4·820	17 11	G	86	4·834
		180	4·821	18 10	JS	180	4·830
		190	4·827	21 11	IF	180	4·837
11 21	G	200	4·822	22 10	G	24	4·830
		210	4·822	23 9		44	4·830
		220	4·827	24 9	JS	70	4·831
18 22	G	230	4·823	24 9		46	4·820
		240	4·822	24 23	G	34	4·832
		250	4·820	25 12	IF	75	4·822

TABLE V.—concluded.

Mean Run of the Microscope-Micrometers of the Transit-Circle.

Date.				Date.			
		Observer.	Pointer Reading.			Observer.	Pointer Reading.
			Mean Run.				Mean Run.
1870—cont.				1870—cont.			
	d h		° r		d h		° r
November	25 12	IF	37 4.820	December	11 23	G	29 4.825
	28 9	JS	61 4.840		12 10	G	287 4.826
	28 10		180 4.833		12 10	G	42 4.824
	29 1	IF	34 4.827		13 10	IF	287 4.830
	29 8	G	270 4.834		14 22	G	278 4.835
	29 11		78 4.829		14 22		81 4.827
December	1 10	JS	180 4.831		16 7	IF	180 4.833
	1 11		282 4.820		16 9		80 4.830
	2 11	IF	41 4.832		19 10	G	280 4.828
	6 11	G	340 4.820		19 10		50 4.829
	6 11		34 4.829		22 22	G	29 4.823
	7 10	JS	180 4.835		27 9	G	290 4.831
	7 10		77 4.821		27 9		43 4.828
	8 10	G	78 4.819				
	8 10		282 4.828				

TABLE VI.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		h	f				h	f		h
1866.		"	"	"	1866—cont		"	"	"
d h					d h				
Jan. 2 13	JS	15'99	30'30	16'22	Mar. 3 1	JS	16'81	31'09	17'00
4 15	JS	16'45	30'70		3 14	CF	17'21	31'37	
5 21	G	16'81	31'14	17'03	5 17	CF	17'06	31'30	17'77
7 22	JS	17'25	31'48		10 3	JS	17'77	32'04	
9 22	G	18'02	32'21	18'20	16 18	G	19'17	33'48	19'19
11 0	JS	18'41	32'69		19 14	G	20'18	34'39	
15 22	G	19'13	33'49	19'36	21 5	CF	20'40	34'64	20'27
16 23	JS	19'55	33'83		24 8	JS	20'86	35'25	
18 23	G	19'77	34'01	19'75	27 10	JS	21'86	36'13	22'21
21 22	JS	20'67	34'95		31 5	JS	22'37	36'68	
22 22	G	20'86	35'19	20'78	Apr. 1 14	JS	22'42	36'64	23'06
23 23	JS	21'21	35'49		5 17	G	23'05	37'35	
24 22	G	21'21	35'54	21'31	9 0	G	23'67	37'83	23'64
25 8	JS	21'50	35'69		12 3	G	23'66	37'94	
26 22	G	21'32	35'60	22'30	16 4	JS	23'28	37'53	23'27
28 22	JS	21'98	36'28		18 20	G	22'04	36'43	
29 23	G	22'34	36'61	22'42	21 6	JS	21'30	35'54	20'91
31 12	JS	22'55	36'85		22 18	G	20'98	35'31	
Feb. 1 23	CF	22'71	36'98	19'85	24 0	JS	20'54	34'78	20'46
2 23	G	22'16	36'37		24 18	G	20'80	35'13	
5 3	JS	20'14	34'44	18'40	27 4	JS	20'44	34'71	20'81
6 18	JS	19'55	33'83		28 10	JS	20'43	34'81	
10 6	JS	18'35	32'60	17'32	May 4 22	JS	19'58	33'82	19'29
10 6	JS	18'48	32'73		7 23	CF	19'01	33'29	
18 23	G	17'28	31'67	16'72	8 22	G	19'20	33'51	19'14
19 22	G	17'46	31'71		10 22	G	19'04	33'37	
22 7	JS	17'23	31'41	16'03	12 3	JS	18'69	32'93	18'72
24 8	JS	16'65	30'89						
25 19	G	16'73	31'12						
26 22	JS	16'73	31'03						

The adopted Nadir-Point for wire *f* is 14''·27 greater than that for wire *h*.
 April 16^d 4^h, 28^d 10^h Mercury unsteady.

TABLE VI.—*continued.**Nadir-Points of the Transit-Circle.*

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		<i>h</i>	<i>f</i>				<i>h</i>	<i>f</i>		h
1866— <i>cont.</i> d h		"	"	"	1866— <i>cont.</i> d h		"	"	"
May 14 3	G	18° 67	32° 97		July 13 11	CF	16° 39	30° 69	
15 22	G	18° 78	33° 08		14 11	JS	15° 97	30° 27	
17 3	JS	18° 58	32° 82		17 11	CF	16° 34	30° 53	16° 20
20 6	JS	18° 55	32° 82	18° 55	18 22	G	16° 21	30° 51	
22 22	JS	18° 57	32° 92		19 6	JS	16° 15	30° 29	
25 10	JS	18° 49	32° 76		21 3	JS	15° 52	29° 77	
26 11	JS	18° 73	33° 01		22 23	G	15° 71	30° 01	15° 60
30 0	JS	18° 63	32° 90	18° 70	23 9	JS	15° 50	29° 77	
31 23	G	18° 78	33° 00		24 11	G	15° 70	29° 92	
June 4 22	G	17° 80	32° 07	17° 79	27 0	JS	15° 25	29° 53	15° 36
5 19	JS	17° 78	32° 06		31 4	G	15° 53	29° 67	
7 14	JS	17° 48	31° 75		Aug. 1 17	JS	15° 06	29° 31	
8 14	CF	17° 31	31° 58	17° 27	5 23	G	14° 94	29° 18	14° 97
11 0	G	16° 98	31° 34		7 22	CF	14° 97	29° 18	
14 0	JS	16° 43	30° 74	16° 23	10 0	JS	14° 54	28° 78	
17 23	G	16° 02	30° 27		13 0	G	14° 67	28° 95	14° 58
20 22	G	15° 37	29° 64	15 56	15 0	CF	14° 56	28° 80	
22 0	JS	15° 74	30° 04		18 0	JS	13° 90	28° 15	
25 0	JS	16° 55	30° 94	16° 61	19 23	G	13° 74	28° 15	13° 79
27 23	G	17° 42	31° 95	17° 55	20 8	JS	13° 81	27° 94	
29 4	JS	17° 57	31° 82		23 3	CF	13° 74	27° 95	
July 2 0	G	18° 99	33° 29	19° 04	25 12	JS	13° 36	27° 63	13° 33
3 3	CF	19° 10	33° 34		29 3	G	13° 35	27° 51	
4 13	JS	17° 63	31° 93	17° 75	Sept. 1 3	JS	13° 00	27° 39	
5 22	G	18° 06	32° 36		3 22	G	13° 01	27° 34	12° 94
7 4	JS	17° 53	31° 81		6 23	CF	12° 76	26° 95	
9 22	JS	16° 82	31° 04		10 23	CF	12° 15	26° 43	11° 83
11 3	CF	16° 94	31° 30	16° 77	12 10	CF	11° 55	25° 74	
11 11	JS	16° 51	30° 73		16 22	G	11° 46	25° 67	
12 22	G	16° 77	31° 13		17 6	JS	11° 15	25° 34	11° 20
					19 23	G	11° 07	25° 37	

TABLE VI.—continued.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.			
		Observed.		Adopted.			Observed.		Adopted.	
		h	f				h	f		
1866—cont. d h		"	"	"	1866—cont. d h		"	"	"	
Sept. 21 0	JS	11° 17	25° 44	10° 75	Nov. 19 13	G	10° 83	25° 19	11° 43	
24 12	JS	10° 65	24° 93		20 22	G	11° 04	25° 43		
26 12	CF	10° 85	25° 13		22 13	JS	11° 20	25° 39		
27 15	JS	10° 56	24° 86		23 7	IF	11° 43	25° 53		
28 16	CF	10° 91	25° 18		24 15	G	11° 58	25° 85		
30 22	G	10° 71	25° 07	10° 77	25 17	CF	11° 85	26° 10	14° 05	
Oct. 3 13	CF	10° 92	25° 25		26 15	G	11° 51	25° 84		
4 18	JS	10° 57	24° 78		28 15	G	13° 82	28° 24		
5 13	CF	10° 72	24° 97		29 2	JS	14° 22	28° 46		
7 13	CF	10° 97	25° 13		30 7	CF	15° 03	29° 31		
8 17	G	10° 02	24° 44	9° 56	30 8	CF	14° 91	29° 24	15° 11	
12 17	JS	9° 43	23° 62		Dec. 4 14	JS	15° 07	29° 37		
16 15	CF	9° 64	23° 85		5 11	IF	15° 56	29° 52		
17 10	JS	9° 14	23° 45		9 23	G	16° 26	30° 57		
18 23	G	9° 52	23° 77		10 13	JS	16° 49	30° 77		
19 15	CF	9° 81	24° 12	9° 58	11 3	CF	16° 85	31° 15	16° 39	
21 0	CF	10° 05	24° 36		12 12	IF	17° 02	31° 27		
22 15	G	9° 38	23° 57		15 19	G	18° 00	32° 36		
23 15	JS	9° 32	23° 62		17 10	CF	18° 53	32° 87		
24 17	CF	9° 46	23° 68		19 13	G	19° 04	33° 43		
26 15	CF	9° 42	23° 78	9° 40	20 13	JS	19° 47	33° 66	19° 26	
29 14	CF	9° 49	23° 65		21 19	G	19° 81	34° 22		
30 13	JS	9° 33	23° 55		23 16	CF	20° 03	34° 34		
Nov. 1 14	JS	9° 47	23° 71		24 15	G	20° 42	34° 78		
4 14	JS	9° 31	23° 64		27 13	G	18° 37	32° 70		
5 12	G	9° 34	23° 79	10° 23	28 4	CF	18° 51	32° 81	18° 69	
6 16	CF	9° 71	23° 99		31 0	JS	19° 14	33° 44		
8 16	G	9° 73	24° 06		1867.					
14 5	CF	9° 98	24° 25		Jan. 2 23	CF	20° 51	34° 78		20° 93
16 17	JS	10° 43	24° 65		4 7	CF	20° 76	35° 12		
18 13	IF	10° 71	24° 81							

November 19^d 22^h Instrument raised from its bearings; pivots cleaned and oiled.

TABLE VI.—*continued.**Nadir-Points of the Transit-Circle.*

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		h	f				h	f		h
1867—cont. d h		"	"	"	1867—cont. d h		"	"	"
Jan. 6 23	G	21'46	35'79	23'01	Feb. 24 16	CF	25'55	39'85	25'80
8 13	G	22'08	36'44		25 14	JS	25'70	40'01	
10 13	G	22'88	37'15		26 16	G	26'12	40'42	
11 18	JS	22'92	37'22		Mar. 1 18	JS	25'69	39'93	25'92
13 23	G	23'48	37'89		3 22	G	26'02	40'32	
14 17	JS	23'57	37'87		4 13	JS	25'86	40'11	
17 10	JS	24'84	39'17	5 22	G	26'19	40'43	22'95	
18 14	CF	25'18	39'51	6 10	JS	25'87	40'08		
20 6	JS	25'69	39'96	7 12	G	25'99	40'21		
21 11	IF	26'33	40'49	26'20	11 22	CF	23'60	37'82	21'62
23 14	G	26'41	40'71		13 7	CF	23'08	37'36	
24 16	JS	26'33	40'69		14 8	JS	22'18	36'51	
27 23	G	25'86	40'16		15 8	CF	21'51	35'82	21'86
28 14	JS	26'05	40'38		17 11	G	21'69	36'06	
30 6	CF	27'36	41'57		18 11	JS	21'51	35'73	
31 8	IF	26'60	40'73	26'63	19 12	CF	21'74	36'01	23'06
Feb. 1 4	CF	26'06	40'30	24'37	21 14	JS	21'59	35'86	
4 22	G	24'32	38'59		22 13	CF	21'96	36'29	
5 11	JS	24'36	38'63		25 0	JS	21'99	36'29	21'49
6 14	G	24'44	38'72		26 5	CF	22'78	37'05	
10 18	IF	23'42	37'66		28 22	JS	23'36	37'58	
11 13	JS	23'41	37'71		24'84	29 23	G	21'46	35'80	21'99
12 12	G	23'64	37'80	Apr. 1 22		CF	21'86	36'17	
13 6	CF	23'10	37'37	3 6		JS	22'20	36'44	
14 12	G	23'72	38'00	4 22		G	21'84	36'20	21'60
15 10	JS	24'38	38'63	5 5		CF	22'00	36'30	
16 21	G	24'74	39'16	7 22		G	21'50	35'78	
19 9	IF	25'43	39'50	25'79	8 14	CF	21'70	35'95	21'08
21 14	JS	25'35	39'63		9 10	IF	21'18	35'48	
22 10	CF	25'94	40'27		10 12	JS	20'59	34'90	
23 18	CF	26'04	40'32						

February 23^d 18^h, March 14^d 8^h, 17^d 11^h. Mercury very unsteady.March 29^d 22^h. Eye-end of telescope struck a book lying on steps and was turned in its collar and drawn out about $\frac{1}{2}$ inch. Focus and verticality of centre wire adjusted.

TABLE VI.—continued.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		h	f				h	f		h
1867—cont. d h		"	"	"	1867—cont. d h	"	"	"	
Apr. 11 22	CF	21'44	35'74		May 24 17	CF	10'73	25'06	
13 7	JS	21'07	35'32		26 23	G	10'90	25'29	
14 12	CF	21'69	35'94		27 9	JS	10'70	25'00	
15 22	G	21'22	35'35	21'49	28 10	CF	10'18	24'46	
16 4	IF	21'32	35'56		31 18	CF	8'49	22'80	
17 13	CF	21'82	36'07		June 3 10	JS	7'77	22'10	
20 0	G	20'80	35'02	20'78	6 0	CF	7'14	21'41	
23 16	JS	19'72	34'00		7 6	CF	7'96	22'23	
24 8	IF	19'54	33'72	19'37	10 9	G	7'53	21'88	
25 5	JS	18'97	33'07		12 6	CF	7'60	21'88	
26 18	JS	18'11	32'41	18'13	14 22	CF	7'39	21'69	
28 23	G	17'39	31'72	17'42	16 22	G	6'93	21'37	
30 23	CF	16'59	30'87	16'60	17 13	CF	7'06	21'34	
May 2 22	JS	15'15	29'46	15'17	19 16	B	5'73	20'06	
3 11	CF	14'62	28'95	14'65	23 19	CF	7'13	21'35	
6 22	G	13'85	28'12	13'71	24 18	JS	8'10	22'52	
8 9	IF	13'53	27'86		25 22	G	9'23	23'53	
9 18	JS	13'24	27'57	13'23	28 6	CF	10'91	25'21	
10 6	JS	13'18	27'45		30 10	CF	11'78	26'05	
12 19	G	12'60	26'90	12'67	July 2 11	IF	11'81	26'05	
13 12	JS	12'66	27'05		3 3	G	11'30	25'66	
15 13	IF	11'60	25'90		4 18	CF	11'64	25'89	
16 11	G	11'64	25'94	11'59	6 3	G	11'09	25'53	
17 19	CF	11'47	25'77		8 22	JS	11'08	25'49	
19 16	CF	11'24	25'57		9 11	IF	10'89	25'25	
21 17	IF	11'28	25'81	11'27	10 7	G	11'08	25'55	
22 8	CF	11'14	25'38		11 10	JS	11'24	25'54	
23 8	G	10'77	25'30						

TABLE VI.—*continued.**Nadir-Points of the Transit-Circle.*

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		h	f				h	f		h
1867—cont. d h		"	"	"	1867—cont. d h		"	"	"
July 15 14	CF	9°48	23°78	9°34	Aug. 23 6	IF	4°70	18°80	
16 18	IF	9°10	23°55		25 22	G	4°38	18°88	
17 23	G	8°47	22°97	8°59	27 18	CF	4°72	19°08	
18 10	JS	8°57	22°93		28 8	IF	4°11	18°59	4°37
19 21	B	8°60	23°16		29 9	JS	4°19	18°55	
20 20	JS	8°43	22°88		Sept. 1 18	CF	4°67	18°94	
21 17	JS	8°39	22°87	7°81	3 10	IF	4°29	18°73	4°05
23 18	JS	7°76	22°12		4 18	CF	4°03	18°39	
26 6	CF	6°79	21°04	6°78	5 9	JS	4°01	18°37		4°05
27 18	G	6°47	21°01	6°61	6 10	IF	4°06	18°48	
28 22	G	6°18	20°73	6°32	7 8	G	4°05	18°41	
30 9	JS	5°88	20°29	5°95	11 10	IF	4°03	18°45	4°05
31 19	CF	5°50	19°77	5°50	12 7	JS	3°81	18°14	
Aug. 2 8	IF	5°24	19°68	5°33	13 18	CF	3°55	17°99		3°65
4 22	G	5°09	19°48	5°05	15 14	G	3°53	18°12	
5 15	B	4°93	19°21		16 6	JS	3°38	17°82	
6 18	JS	4°97	19°36		17 7	IF	3°58	17°85	
7 17	G	4°99	19°32		19 17	G	3°55	17°88	3°25
9 22	JS	5°13	19°49	4°85	20 20	CF	3°90	18°23	
11 19	JS	4°94	19°33		24 11	CF	3°22	17°49	
12 18	G	4°82	19°32	4°85	26 6	JS	3°14	17°50	3°25
13 19	B	4°96	19°26		29 23	G	3°30	17°63	
14 10	IF	4°67	19°11		30 10	JS	3°01	17°37		2°98
15 12	JS	4°73	19°09	Oct. 3 5	CF	2°89	17°23		
17 18	G	4°79	19°12	4 10	CF	2°86	17°16	2°98	
18 16	G	4°61	19°06	7 7	JS	3°09	17°39		
21 16	CF	4°57	18°96	8 7	IF	2°91	17°30		2°65
22 7	JS	4°31	18°64	4°59	9 15	G	2°89	17°28	
					10 22	JS	2°67	17°08	
					13 22	G	2°45	16°92	

TABLE VI.—continued.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		h	f				h	f		h
1867—cont.		"	"	"	1867—cont.		"	"	"
Oct. 14 14	JS	2.86	17.08	2.77	Dec. 3 17	CF	2.31	16.68	2.71
15 9	CF	2.71	16.98		6 3	B	2.97	16.70	
16 13	B	2.78	17.23	2.63	6 7	IF	2.85	17.23	3.22
18 9	IF	2.45	16.75		8 9	JS	3.24	17.51	
20 16	CF	2.70	17.04		9 11	G	3.13	17.52	
21 18	G	2.41	16.97		12 22	IF	3.57	17.87	3.59
23 8	IF	2.47	16.83	2.30	16 21	JS	4.12	18.45		4.17
24 8	JS	2.29	16.56		17 11	JS	4.14	18.50	
26 2	CF	2.22	16.58		18 8	IF	4.46	18.80	4.55
27 22	G	2.33	16.60		19 10	G	4.56	18.91	
29 12	CF	2.31	16.61	1.97	22 23	CF	5.89	20.28	5.98
Nov. 1 7	JS	1.94	16.24		24 10	JS	5.96	20.32	
3 23	G	1.87	16.26		27 16	CF	6.64	20.97	6.67
4 9	JS	1.82	16.12		29 23	G	7.88	22.18		7.90
8 17	CF	2.18	16.48	1.75	1868.				
9 10	G	1.84	16.08		Jan. 3 8	CF	10.05	24.35	10.07
10 22	G	1.99	16.55		4 22	IF	10.45	24.90	
12 12	JS	1.97	16.19		7 10	JS	11.10	25.40	11.19
13 12	CF	2.04	16.31	2.05	8 11	G	11.14	25.65	
15 0	JS	1.90	16.15		9 11	IF	11.61	25.94	11.52
16 6	IF	1.79	16.27		10 10	CF	11.40	25.67	
17 5	IF	1.58	15.88		12 15	G	12.68	27.13	12.77
18 9	JS	1.71	16.07	1.75	14 9	CF	13.70	27.97		13.70
20 6	CF	2.20	16.50		15 8	IF	14.11	28.55	14.08
22 7	IF	1.81	16.22		16 9	JS	13.92	28.28	
24 23	G	2.22	16.75		2.05	17 23	JS	14.54	28.99	14.63
25 9	JS	1.84	16.25						
26 8	IF	1.99	16.06						
28 22	CF	2.04	16.34						
Dec. 1 23	G	2.61	17.03						
2 9	JS	2.93	17.17						

TABLE VI.—continued.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		h	f				h	f		h
1868—cont. d. h.		"	"	"	1868—cont. d. h.		"	"	"
Jan. 20 22	IF	16°30	30°63	16°24	Feb. 26 18	B	20°01	...	20°36
21 17	G	16°03	30°53		28 3	B	20°61	35°23	
22 7	IF	16°84	31°28	16°93	28 18	JS	20°27	34°69	
23 22	JS	16°91	31°24		Mar. 2 18	IF	21°22	35°61	21°32
24 10	IF	17°54	31°90	17°59	3 18	CF	21°35	35°65	
26 23	G	18°19	32°61	18°27	5 0	IF	22°00	36°42	22°08
28 9	JS	18°62	32°98	18°67	6 7	IF	22°91	37°33	
31 18	CF	18°02	32°43		8 13	G	23°00	37°50	23°05
Feb.	1 6	JS	18°18	32°51	10 4	JS	23°03	37°30	
	2 18	JS	17°63	32°08	11 7	IF	23°43	37°79	
	3 9	G	18°44	32°80	12 16	G	23°52	37°91	
	4 17	CF	18°03	32°42	13 17	CF	23°91	38°24	
	5 22	JS	17°75	32°10	15 17	IF	23°40	37°74	23°49
	7 18	JS	17°62	31°92	18 7	IF	23°46	37°79	
	9 15	JS	18°23	32°51	20 4	CF	23°23	37°48	
	11 6	IF	18°57	32°98	22 23	G	23°49	37°68	
	12 18	G	18°05	32°38	23 19	B	23°11	37°41	
	13 18	JS	17°88	32°16	25 18	IF	23°63	38°10	
	14 3	CF	18°74	33°01	26 5	CF	24°24	38°57	
	17 18	B	18°51	32°92	27 18	JS	23°97	38°21	24°17
	19 22	JS	19°07	33°46	31 15	JS	24°31	38°50	
	20 6	B	18°89	33°65	Apr. 1 12	IF	24°98	39°20	
21 17	IF	19°23	33°65	2 6	B	24°64	39°20		
24 23	CF	20°37	34°59	3 18	CF	24°54	38°87		
25 19	IF	20°08	34°38	4 11	JS	25°15	39°39	24°85	
				7 4	CF	24°79	39°09		
				8 14	JS	24°81	39°09		
				11 19	G	23°87	38°26	23°93	
				15 6	JS	23°50	37°81	23°52	

TABLE VI.—continued.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		h	f	h			h	f	h
1868—cont. d h		"	"	"	1868—cont. d h		"	"	"
Apr. 17 22	JS	21°08	35°44	21°13	June 9 10	IF	11°22	25°50	
19 6	JS	20°14	34°50	20°19	10 18	G	10°71	25°04	10°69
22 7	IF	18°88	33°13	18°87	11 8	JS	10°60	24°93	
23 23	CF	17°82	32°09	17°82	12 12	CF	10°44	24°74	
25 18	CF	17°24	31°54	17°26	14 18	G	10°41	24°80	
27 23	JS	16°32	30°65	16°23	15 6	IF	10°34	24°91	10°42
30 4	B	...	30°58		17 18	CF	10°49	24°76	
May 2 9	G	15°57	29°96	15°65	22 9	IF	10°27	24°40	
4 11	JS	15°69	29°91		26 22	CF	9°48	23°75	9°35
5 6	IF	15°13	29°52	15°16	28 7	G	9°15	23°57	
7 5	CF	15°12	29°42		29 19	B	8°66	23°30	
10 16	IF	14°23	28°60	14°28	30 9	G	8°79	23°33	8°82
13 6	IF	13°83	28°08	13°84	July 1 18	CF	8°78	23°14	
14 18	JS	13°87	28°11		2 10	JS	8°56	23°06	
16 18	G	13°26	27°62	13°31	5 23	G	9°52	23°99	9°62
18 18	JS	12°83	27°27	13°03	7 18	G	11°98	26°40	12°17
19 7	IF	13°02	27°52		8 10	JS	12°28	26°55	
26 16	CF	12°45	26°72	12°45	9 16	G	12°92	27°28	12°97
27 6	IF	12°20	26°50		13 18	JS	13°59	27°81	
28 18	JS	11°96	26°23	12°12	14 6	IF	13°04	27°43	
29 18	IF	12°20	26°44		19 23	G	13°49	27°97	13°52
June 2 23	CF	11°58	25°97	11°82	20 18	JS	13°88	28°16	
3 6	IF	11°96	26°32		22 18	IF	13°48	27°67	
6 18	G	11°18	25°50		24 18	CF	12°85	27°13	
7 17	G	10°96	25°37	11°12	26 8	IF	12°90	27°23	12°90
8 22	IF	11°00	25°36		27 18	G	12°84	27°25	
					28 18	CF	12°05	26°30	
					29 8	JS	12°59	26°84	12°27
					31 11	IF	12°09	26°56	

TABLE VI.—*continued.**Nadir-Points of the Transit-Circle.*

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		<i>h</i>	<i>f</i>	<i>h</i>			<i>h</i>	<i>f</i>	<i>h</i>
1868— <i>cont.</i>		"	"	"	1868— <i>cont.</i>		"	"	"
Aug. 2 23	G	11'72	26'06	11'82	Sept. 25 9	JS	8'48	22'72	8'49
5 22	JS	11'85	26'18		27 18	G	8'34	22'81	
9 18	G	11'40	25'65	11'39	30 10	JS	8'64	22'94	
10 6	JS	1'36	25'69		Oct. 1 8	IF	8'35	22'62	
12 6	IF	10'98	25'40	11'22	5 9	JS	7'82	22'15	
14 18	CF	11'57	25'93		6 16	CF	8'05	22'47	
16 8	JS	10'95	25'28	10'51	7 10	IF	7'68	21'98	
17 18	CF	10'56	24'89		9 18	CF	8'02	22'38	7'87
21 7	IF	10'41	24'91	10'22	11 23	G	7'80	22'16	
23 22	G	10'39	24'78		12 11	JS	7'45	21'84	
24 18	JS	10'45	24'75	9'87	13 6	CF	7'96	22'29	
25 22	G	10'24	24'57		14 7	IF	7'70	22'06	
26 19	IF	10'14	24'50	9'50	15 17	G	7'37	22'04	
27 18	JS	10'15	24'49		16 23	JS	7'50	21'92	
28 18	CF	9'99	24'32	9'32	21 17	JS	7'80	22'19	7'68
29 18	G	9'81	24'11		22 8	IF	7'70	22'20	
31 18	CF	9'77	24'04	9'10	23 6	JS	7'76	21'89	
Sept. 2 7	IF	9'81	24'14		26 23	CF	7'47	21'80	
3 0	JS	9'41	23'85	8'79	30 22	JS	8'52	22'74	8'50
7 0	IF	9'39	23'75		Nov. 1 18	IF	8'19	22'52	
8 10	JS	9'54	23'82	8'32	2 8	JS	7'94	22'18	
10 22	G	9'28	23'67		4 15	G	7'80	22'10	7'96
11 7	IF	9'31	23'55	8'10	5 17	CF	8'03	22'31	
14 18	JS	9'33	23'58		6 7	IF	7'83	22'04	
15 18	CF	9'10	23'37	8'00	10 22	IF	6'13	20'31	6'00
18 9	IF	8'79	23'09		13 7	IF	5'91	20'18	
20 18	G	8'80	23'16	5'27	16 17	CF	5'42	19'67	
22 5	CF	8'71	22'99		18 7	IF	5'01	19'15	
23 10	IF	8'59	22'90		19 18	JS	5'42	19'58	
24 18	G	8'33	22'75		20 18	CF	5'34	19'61	

TABLE VI.—continued.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		<i>h</i>	<i>m</i>	<i>s</i>			<i>h</i>	<i>m</i>	<i>s</i>
1868—cont.		"	"	"	1869—cont.		"	"	"
Nov. 22 23	G	5'04	19'40	5'05	Jan. 18 17	CF	13'17	27'47	13'19
23 10	JS	5'00	19'28		19 18	JS	13'88	28'15	13'84
24 6	CF	4'34	18'56		20 18	IF	13'80	28'07	
25 6	IF	4'94	19'16		22 18	CF	14'41	28'60	14'61
26 10	G	4'93	19'26	4'72	23 16	G	14'78	29'20	
27 6	IF	4'72	18'85		26 22	CF	16'29	30'56	16'29
30 10	CF	4'76	19'01		29 18	IF	16'67	30'89	16'73
Dec. 1 18	JS	4'73	19'00		30 18	G	16'84	31'06	
4 10	CF	5'16	19'43	4'92	Feb. 2 19	CF	17'41	31'69	17'42
7 19	JS	4'69	18'94		3 9	IF	18'26	32'50	18'34
9 18	IF	4'95	19'20		4 18	CF	18'41	32'74	
10 12	CF	4'95	19'23		7 22	G	19'43	33'74	19'45
11 10	JS	5'08	19'38	5'64	14 23	G	20'84	35'06	20'82
12 20	CF	4'51	18'76		22 0	G	21'18	35'42	21'17
16 19	IF	5'11	19'33		26 3	G	21'47	35'88	21'54
23 23	JS	5'72	19'83		Mar. 1 4	G	22'39	36'52	22'32
28 23	G	6'36	20'61	6'35	2 22	JS	22'63	36'76	22'56
30 19	IF	6'75	20'96	6'72	9 23	G	23'63	37'94	23'65
1869.					12 22	G	24'40	38'70	24'42
Jan. 4 22	G	8'35	22'80	8'44	17 23	G	24'78	38'97	24'74
5 18	IF	8'68	22'79	8'60	20 6	JS	25'04	39'29	25'03
6 17	JS	8'89	23'16	8'89	21 22	G	23'76	38'06	23'57
8 18	CF	9'90	24'14	9'89	23 0	IF	23'42	37'66	
10 23	G	10'60	24'96	10'65	24 23	JS	23'46	37'65	
14 18	JS	11'44	25'69	11'43	29 22	G	23'66	37'93	
15 17	CF	12'09	26'36	12'09					
March 2 ^d 22 ^h Mercury very unsteady.									

TABLE VI.—continued.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		<i>h</i>	<i>f</i>	<i>h</i>			<i>h</i>	<i>f</i>	<i>h</i>
1869—cont. d h		"	"	"	1869—cont. d h		"	"	"
Apr. 1 3	IF	22° 91	37° 18	22° 91	July 11 22	G	7° 15	21° 37	6° 99
4 22	G	20° 88	35° 13	20° 87	15 0	JS	7° 02	21° 30	
12 22	G	15° 57	29° 73	15° 52	15 21	G	7° 29	21° 62	
21 23	IF	15° 25	29° 57	15° 28	18 23	JS	6° 77	21° 04	
23 11	IF	16° 44	30° 72	16° 45	19 23	G	6° 92	21° 02	6° 73
27 23	G	15° 24	29° 57	15° 27	21 22	JS	6° 69	21° 04	
30 22	IF	15° 74	29° 99	15° 73	25 22	G	6° 48	20° 67	6° 30
May 2 23	JS	16° 91	31° 16	16° 90	28 0	IF	6° 41	20° 54	6° 10
17 22	JS	9° 60	23° 82	9° 58	Aug. 1 23	G	6° 12	20° 34	
24 22	G	11° 94	26° 24	11° 96	6 22	JS	4° 86	19° 11	4° 93
28 0	JS	12° 57	26° 73	12° 51	8 22	G	5° 00	19° 28	4° 46
June 1 2	IF	12° 86	27° 25	13° 03	11 23	G	4° 45	18° 73	
2 23	G	13° 34	27° 64		14 13	G	4° 19	18° 49	4° 15
5 3	G	12° 88	...		15 23	G	4° 23	18° 50	
6 22	G	12° 96	27° 26		18 23	IF	4° 14	18° 19	
9 18	G	12° 97	27° 22	12° 58	20 23	IF	4° 06	18° 28	3° 69
13 23	G	12° 56	26° 89		22 22	G	4° 30	18° 46	
16 23	IF	12° 48	26° 92	12° 87	24 23	IF	3° 67	17° 86	
18 22	JS	12° 83	27° 05		27 22	G	3° 60	18° 01	
20 23	G	12° 87	27° 25	10° 89	29 22	JS	3° 77	18° 05	3° 33
24 23	JS	10° 90	25° 14	9° 80	Sept. 2 22	G	3° 41	17° 74	
27 23	G	9° 77	24° 10	8° 42	6 0	G	3° 27	17° 60	
30 23	JS	8° 45	22° 66	7° 54	8 22	JS	3° 29	17° 51	
July 4 23	G	7° 59	21° 75	7° 54	13 22	G	3° 30	17° 57	2° 93
8 0	IF	6° 75	21° 26		14 23	IF	3° 06	17° 25	
					18 0	JS	2° 82	17° 12	2° 41
					21 0	JS	2° 32	16° 68	
					26 17	JS	2° 35	16° 71	

July 28^d 0^h. Mercury very unsteady.

TABLE VI.—continued.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		<i>A</i>	<i>f</i>	<i>h</i>			<i>A</i>	<i>f</i>	<i>h</i>
1869—cont. d h		"	"	"	1870—cont. d h		"	"	"
Sept. 30 21	G	2°43	16°76		Jan. 7 3	IF	8°68	22°67	
Oct. 4 22	JS	2°14	16°35		7 23	IF	8°97	23°13	8°92
11 0	IF	2°22	16°35		10 23	G	10°08	24°38	10°10
13 23	IF	2°04	16°19	2°08	13 2	IF	11°07	25°29	11°04
14 20	G	2°18	16°48		14 23	IF	11°52	25°85	11°55
15 23	IF	2°01	16°11		16 23	G	12°67	27°00	12°70
18 23	JS	1°62	15°92	1°64	21 3	G	13°77	28°04	13°77
21 23	G	2°28	16°56	2°29	26 4	IF	14°13	28°49	14°18
26 0	IF	1°69	15°80	1°61	30 22	G	16°29	30°56	16°29
Nov. 8 0	G	2°10	16°35		Feb. 3 23	JS	17°63	32°02	17°69
10 6	JS	2°08	16°38		6 23	G	19°01	33°28	19°01
12 23	IF	2°03	16°30		10 0	JS	20°00	34°33	20°03
14 23	G	2°10	16°49	2°05	12 10	JS	21°37	35°78	21°44
21 23	G	2°00	16°27		14 0	G	22°37	36°67	22°32
22 23	IF	2°04	16°17		14 23	IF	22°30	36°46	
23 23	JS	2°01	16°46		21 1	JS	23°52	37°85	23°55
28 23	G	2°47	16°74	2°55	26 4	JS	25°21	39°51	25°23
Dec. 3 0	G	2°61	16°91		Mar. 4 3	G	26°11	40°38	26°11
8 0	JS	3°36	17°63	3°36	6 23	IF	26°45	40°52	26°35
13 3	G	5°46	19°73		11 23	IF	26°98	41°11	26°96
16 0	JS	4°90	19°23	5°28	13 23	G	27°08	41°21	
18 4	G	5°40	19°74		18 23	IF	27°80	41°84	27°57
20 0	JS	5°22	19°61		27 22	JS	27°39	41°78	
23 23	IF	5°95	19°96	6°12	Apr. 1 3	G	28°19	42°27	28°10
28 0	G	6°13	20°46						
29 23	G	6°36	20°69						
1870.									
Jan. 3 23	G	7°81	22°16						

October 21^d 23^h Mercury very unsteady.

TABLE VI.—*continued.**Nadir-Points of the Transit-Circle.*

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		<i>h</i>	<i>f</i>	<i>h</i>			<i>h</i>	<i>f</i>	<i>h</i>
1870— <i>cont.</i> d h		"	"	"	1870— <i>cont.</i> d h		"	"	"
Apr. 4 0	JS	26°31	40°72	26°26	July 20 23	G	5°82	20°13	5°84
8 23	IF	26°20	40°33		27 2	IF	5°51	19°53	5°39
12 23	G	24°68	39°10	24°76	28 22	JS	4°79	19°12	4°82
19 22	JS	25°27	39°55	25°33	Aug. 5 23	G	4°45	18°61	4°40
21 0	IF	25°44	39°57		8 23	IF	3°73	18°00	3°77
24 23	G	22°61	36°80	22°57	10 23	JS	3°88	18°18	
May 1 23	JS	19°91	34°21	19°93	12 23	IF	3°82	17°81	3°30
6 22	IF	18°37	32°47	18°29	21 23	G	3°29	17°57	
9 22	JS	17°38	31°57	17°33	25 0	IF	2°62	16°86	2°71
10 23	IF	17°36	31°55		27 5	JS	2°78	17°03	
15 22	G	13°00	27°33	13°03	30 23	G	2°72	17°08	2°32
19 3	JS	10°86	25°14	10°87	Sept. 4 23	IF	2°75	16°88	
20 23	IF	10°46	24°70	10°45	7 0	JS	2°53	16°69	2°32
24 22	G	9°71	23°93	9°65	9 23	IF	2°28	16°44	
29 23	JS	9°64	23°85		11 22	G	2°59	16°89	2°32
June 6 23	G	5°17	19°35	5°13	15 23	JS	1°98	16°28	
10 0	IF	4°00	18°19	3°96	20 3	IF	2°42	16°76	2°32
15 23	G	3°35	17°40	3°47	21 23	G	2°27	16°52	
19 23	G	3°70	17°98		22 23	IF	2°35	16°51	2°32
24 3	IF	7°45	21°62	7°40	25 23	G	2°30	16°52	
July 3 23	JS	8°85	23°04	8°81	Oct. 2 23	JS	1°94	16°22	1°89
11 23	G	7°80	22°16	7°85	4 23	IF	2°16	16°32	
14 0	IF	7°11	21°35	7°10	11 0	JS	1°69	15°99	1°89
17 23	JS	6°21	20°48	6°21	12 3	JS	1°93	16°20	
					14 23	IF	1°98	16°13	1°89
					17 0	G	1°67	16°03	
					23 23	G	1°88	16°24	1°19
					30 22	JS	1°13	15°52	

TABLE VI.—concluded.

Nadir-Points of the Transit-Circle.

Date.	Observer.	Seconds of Nadir-Point.			Date.	Observer.	Seconds of Nadir-Point.		
		Observed.		Adopted.			Observed.		Adopted.
		<i>h</i>	<i>f</i>	<i>h</i>			<i>h</i>	<i>f</i>	<i>h</i>
1870—cont.		"	"	"	1870—cont.		"	"	"
d h					d h				
Nov. 4 10	G	1°69	15°99		Dec. 1 10	JS	4°11	18°41	4°11
6 23	G	1°83	16°17	1°79	2 9	IF	4°55	18°57	4°55
13 22	JS	1°82	16°09		6 10	G	5°83	20°08	5°83
17 10	G	1°65	15°89	1°65	7 10	JS	5°71		5°71
18 10	JS	1°54	15°90	1°54	8 10	G	6°51		6°51
21 10	IF	1°89	16°08	1°89	12 10	G	7°59		7°59
22 11	G	1°94	16°22	1°94	13 10	IF	7°69		7°69
23 11	G	2°09	16°40	2°09	14 22	G	8°09		8°09
24 11	JS	2°21	16°51	2°23	16 7	IF	9°27		9°27
25 11	IF	2°61	16°86	2°61	19 9	G	10°43		10°43
28 10	JS	3°01	17°22	3°01	27 8	G	10°85		10°85
29 10	G	3°52	17°61	3°52					
November 4 ^d 23 ^h . Instrument raised from its bearings; pivots cleaned and oiled. December 7 ^d 0 ^h . Z. D. wire-plate removed and wire <i>f</i> taken off.									

TABLE VII.

Separate Results of Direct and Reflex observations of Stars.

Date.	Star.	Observer.	Direct.	Reflex.	R.—D.
1866. Oct.			° ' "	"	"
2	α Argûs	G	142 37 24.60	26.08	+ 1.48
2	α Canis Majoris	G	106 32 7.29	4.56	— 2.73
3	β Orionis.....	CF	98 21 31.94	35.24	+ 3.30
5	β Orionis.....	CF	98 21 29.52	34.32	+ 4.80
5	α Argûs	CF	142 37 28.10	26.18	— 1.92
5	α Canis Majoris.....	CF	106 32 3.47	6.47	+ 3.00
8	α Argûs.....	G	142 37 23.58	25.27	+ 1.69
8	α Canis Majoris	G	106 32 5.26	5.36	+ 0.10
10	β Orionis.....	CF	98 21 32.03	34.11	+ 2.08
10	α Argûs.....	CF	142 37 24.11	26.82	+ 2.71
10	α Canis Majoris	CF	106 32 4.52	8.68	+ 4.16
16	α Orionis.....	CF	82 37 12.30	17.74	+ 5.44
19	β Orionis.....	CF	98 21 30.60	34.53	+ 3.93
19	α Orionis.....	CF	82 37 14.67	17.32	+ 2.65
19	α Canis Majoris	CF	106 32 3.87	6.26	+ 2.39
21	β Orionis.....	*	98 21 31.25	35.71	+ 4.46
21	α Orionis.....	*	82 37 14.17	17.55	+ 3.38
21	α Argûs	*	142 37 23.71	29.72	+ 6.01
21	α Canis Majoris	*	106 32 4.31	7.34	+ 3.03
22	β Orionis.....	G	98 21 29.82	31.47	+ 1.65
22	α Orionis.....	G	82 37 14.11	17.51	+ 3.40
22	α Argûs	G	142 37 23.99	27.51	+ 3.52
22	α Canis Majoris	G	106 32 5.28	5.69	+ 0.41
23	α Argûs ...	JS	142 37 27.20	25.15	— 2.05
23	α Canis Majoris	JS	106 32 3.52	5.44	+ 1.92
24	α Orionis.....	CF	82 37 14.32	20.10	+ 5.78
24	α Canis Majoris	CF	106 32 2.97	7.27	+ 4.30
26	α Canis Majoris	*	106 32 5.99	6.54	+ 0.55
26	ϵ Canis Majoris	*	118 47 28.80	32.58	+ 3.78
29	β Orionis.....	CF	98 21 35.28	34.19	— 1.09
29	α Orionis.....	CF	82 37 13.55	15.90	+ 2.35
29	α Argûs	CF	142 37 24.62	26.05	+ 1.43
29	α Canis Majoris	CF	106 32 4.84	7.27	+ 2.43
30	α Orionis.....	JS	82 37 14.15	15.05	+ 0.90
1866 October 8. Mercury unsteady. October 21 and 26. Direct by JS. Reflex by CF. October 24. α Orionis, very indifferent definition.					

TABLE VII.—*continued.*

Separate Results of Direct and Reflex observations of Stars.

Date.	Star.	Observer.	Direct.	Reflex.	R.—D.
1866— <i>cont.</i>			° ' "	"	"
Nov. 1	β Orionis.....	JS	98 21 31.69	32.58	+ 0.89
1	α Orionis.....	JS	82 37 14.71	15.51	+ 0.80
1	α Argûs	JS	142 37 24.53	23.96	— 0.57
1	α Canis Majoris	JS	106 32. 2.57	6.55	+ 3.98
1	ϵ Canis Majoris.....	JS	118 47 27.91	32.74	+ 4.83
2	α Orionis.....	CF	82 37 14.46	16.36	+ 1.90
2	α Argûs	OF	142 37 23.04	25.51	+ 2.47
2	α Canis Majoris	CF	106 32 4.79	6.65	+ 1.86
2	ϵ Canis Majoris	CF	118 47 29.09	35.46	+ 6.37
5	α Orionis.....	G	82 37 14.75	14.03	— 0.72
5	α Argûs	G	142 37 23.39	26.03	+ 2.64
5	α Canis Majoris	G	106 32 6.36	6.48	+ 0.12
6	β Orionis.....	CF	98 21 30.40	31.75	+ 1.35
6	α Orionis.....	CF	82 37 16.29	16.13	— 0.16
6	α Argûs	CF	142 37 23.77	25.81	+ 2.04
6	α Canis Majoris	CF	106 32 4.97	8.84	+ 3.87
6	ϵ Canis Majoris.....	CF	118 47 28.69	33.63	+ 4.94
8	α Canis Majoris	G	106 32 1.77	7.00	+ 5.23
16	α Canis Majoris	JS	106 32 4.76	4.55	— 0.21
16	ϵ Canis Majoris	JS	118 47 31.16	33.89	+ 2.73
22	α Orionis.....	JS	82 37 14.14	16.27	+ 2.13
22	α Canis Majoris	JS	106 32 4.29	5.78	+ 1.49
22	ϵ Canis Majoris	JS	118 47 28.56	31.18	+ 2.62
28	α Canis Majoris	G	106 32 4.80	6.09	+ 1.29
Dec. 19	α Canis Majoris	G	106 32 5.50	5.87	+ 0.37
1867.					
Mar. 14	α Canis Majoris	JS	106 32 9.48	10.64	+ 1.16
30	α Canis Majoris	G	106 32 10.02	11.89	+ 1.87
Apr. 3	α Canis Majoris	JS	106 32 9.50	10.97	+ 1.47
12	α Canis Majoris	IF	106 32 10.33	10.01	— 0.32
25	α Canis Majoris	JS	106 32 8.93	10.40	+ 1.47
1866 November 5. α Orionis, very diffused; other stars cloudy. 1867 March 30. Mercury unsteady; direct observation hurried. April 3. Bad definition.					

74 *Separate Results of Direct and Reflex observations.*

TABLE VII.—*concluded.*

Separate Results of Direct and Reflex observations of Stars.

Date.	Star.	Observer.	Direct.	Reflex.	R.—D.
1867— <i>cont.</i>			° ' "	"	"
May 10	α Argûs	CF	142 37 25.52	28.04	+ 2.52
10	α Canis Majoris	CF	106 32 8.86	11.29	+ 2.43
17	α Argûs	CF	142 37 24.51	28.43	+ 3.92
18	α Canis Majoris	IF	106 32 9.24	9.87	+ 0.63
20	α Canis Majoris	IF	106 32 10.14	9.42	— 0.72
1868.					
Jan. 22	α Canis Majoris	IF	106 32 14.91	20.90	+ 5.99

**ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.**

SEPARATE RESULTS

OF

MERIDIAN OBSERVATIONS OF STARS

MADE IN THE YEAR

1866

REDUCED TO MEAN PLACE FOR 1866⁰.

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Andromedæ.				δ Piscium.			
Nov. 1	B	$\begin{smallmatrix} h & m & s \\ 0 & 1 & 28.00 \end{smallmatrix}$	$61^{\circ} 38' 59''.26$	Oct. 21	JS	$\begin{smallmatrix} h & m & s \\ 0 & 13 & 42.35 \end{smallmatrix}$	$82^{\circ} 33' 13''.86$
				22	G	42.28	13.56
						$0 13 42.32$	$82 33 13.71$
γ Pegasi.				44 Piscium.			
Oct. 30	IF	...	$75 33 39.29$				
Nov. 1	B	$0 6 20.34$	39.67	Sept. 23	CF	$0 18 32.16$	$88 48 8.16$
Dec. 4	CF	20.27	...	24	JS	32.14	8.96
		$0 6 20.30$	$75 33 39.48$			$0 18 32.15$	$88 48 8.56$
B. A. C. 45.				β Hydri.			
Nov. 16	CF	$0 9 44.54$	$166 39 23.51$	Jan. 6	G	$0 18 39.63$	...
17	JS	45.03	24.36	8	G	39.19	...
29	IF	45.33	22.94	9	G	39.23	...
		$0 9 45.30$	$166 39 23.60$	10	G	39.54	...
\circ Octantis.				Feb. 24	JS	39.71	$168 0 31.22$
June 21	G	$0 13 15.54$	$179 6 28.91$	Mar. 3	CF	39.71	...
22	G	11.12	32.44	16	G	...	29.86
23	G	13.62	30.19	17	G	39.16	...
24	G	13.17	...	19	G	39.31	...
		$0 13 13.36$	$179 6 30.51$	Oct. 16	CF	39.32	29.16
\circ Octantis S.P.				29	B	...	30.67
June 21	G	$0 13 11.32$	$179 6 32.06$	Nov. 1	B	...	32.76
22	G	18.43	32.97	4	CF	...	33.50
23	G	6.37	29.05	6	B	...	33.23
24	G	7.80	29.62	7	IF	...	30.81
29	G	...	29.95	12	B	...	32.10
July 3	G	...	31.32	19	B	...	31.71
		$0 13 10.98$	$179 6 30.83$	22	B	39.30	33.33
				23	IF	39.61	31.70
				26	B	39.43	...
				28	B	...	31.10
				Dec. 4	CF	39.16	...

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>β Hydri—continued.</i>				<i>β^1 Toucani.</i>			
Dec. 5	IF	^{h m s} ...	168° 0' 31" 66	Dec. 12	IF	^{h m s} 0 25 23.45	153° 41' 48" 49
7	CF	0 18 39.41	...	<i>β^3 Toucani.</i>			
10	B	...	32.81	Dec. 7	CF	0 26 36.66	153 46 11.69
11	B	...	32.99	10	B	36.73	10.17
12	IF	...	31.88			0 26 36.70	153 46 10.93
18	JS	...	31.55	<i>B. A. C. 143.</i>			
19	B	...	33.28	Nov. 30	CF	0 28 4.61	143 6 48.75
		0 18 39.41	168 0 31.86	<i>B. A. C. 176.</i>			
<i>β Hydri S.P.</i>				Nov. 30	CF	0 34 8.19	150 12 25.04
Jan. 5	G	0 18 39.66	...	Dec. 4	CF	7.94	28.20
8	G	39.37	...	12	IF	8.26	27.01
9	G	39.26	...			0 34 8.13	150 12 26.75
Feb. 23	G	39.71	...	<i>β Ceti.</i>			
25	G	39.33	...	Oct. 5	CF	0 36 51.78	108 43 20.31
Mar. 1	G	39.77	...	10	CF	51.67	21.69
2	JS	39.84	...	12	CF	51.71	...
3	CF	39.08	...	16	CF	...	20.65
16	G	39.29	...	22	G	51.72	...
19	G	39.26	...	29	CF	51.80	20.29
		0 18 39.46	...	30	JS	51.74	...
<i>12 Ceti.</i>				Nov. 1	B	51.61	21.82
Oct. 16	CF	...	94 41 52.03	2	G	51.81	...
21	JS	...	51.49	4	CF	51.68	...
22	G	0 23 12.03	52.93	6	B	51.69	20.78
Nov. 16	CF	12.11	...	9	CF	51.66	...
Dec. 4	CF	12.16	...				
7	CF	12.10	...				
		0 23 12.10	94 41 52.15				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β Ceti—continued.				χ^2 Toucani.			
Nov. 12	B	h m s	108° 43' 19".15	Nov. 30	CF	h m s 0 49 59.46	160° 15' 5".93
19	G	0 36 51.61	...	Dec. 4	CF	59.15	7.95
22	B	...	19.48	7	CF	59.49	8.93
23	IF	51.62	19.83			0 49 59.37	160 15 7.60
26	B	...	18.64	70 Piscium.			
Dec. 6	B	...	21.64	Nov. 28	B	0 55 8.75	82 46 53.86
7	CF	51.80	...	ϵ Piscium.			
20	IF	51.78	20.53	Sept. 24	JS	...	82 49 54.47
		0 36 51.71	108 43 20.40	Oct. 4	JS	...	55.77
δ Piscium.				5	CF	...	(50.86)
Sept. 24	JS	0 41 44.01	83 8 40.27	7	CF	0 55 59.52	53.09
Oct. 21	JS	44.01	39.75	9	JS	...	54.16
22	G	43.98	40.15	10	CF	59.49	55.12
Nov. 18	CF	44.07	39.81	12	CF	59.51	53.72
19	G	44.01	39.36	16	CF	...	53.51
		0 41 44.02	83 8 39.87	19	CF	59.54	53.16
λ Hydri.				22	G	59.47	...
Dec. 5	IF	...	165 39 10.70	Nov. 4	CF	59.52	52.72
11	B	0 43 55.83	11.47	18	CF	...	54.01
		0 43 55.83	165 39 11.09	19	G	59.44	55.47
ρ Phoenicia.				Dec. 27	IF	59.57	57.25
Dec. 7	CF	0 44 34.63	141 43 6.14			0 55 59.51	82 49 54.10
12	IF	34.71	5.58	ω Phoenicia.			
		0 44 34.67	141 43 5.86	Dec. 4	CF	0 56 21.37	147 43 28.68
				7	CF	21.34	27.94
				10	B	21.48	28.10
						0 56 21.40	147 43 28.24

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♌ Toucani.				♈ Ceti.			
Nov. 29	IF	^{h m s} 1 1 59.95	152° 29' 28".66	Aug. 29	CF	^{h m s} 1 17 19.63	0 ... "
30	CF	59.67	30.07	Oct. 4	CF	...	98 52 31.02
Dec. 4	CF	59.62	29.97	7	CF	19.57	31.92
		^{h m s} 1 1 59.75	152 29 29.57	8	G	19.52	...
♊ Piscium.				10	CF	19.63	32.21
Dec. 17	CF	1 6 44.07	83 8 2.47	12	CF	19.70	...
♊ Piscium.				19	CF	19.63	29.61
Dec. 17	CF	1 6 45.54	83 7 51.51	22	G	19.63	...
♋ Phœnicia.				Dec. 4	CF	19.57	31.65
Dec. 10	B	1 9 8.24	136 14 52.85	7	CF	19.67	32.40
♌ Toucani.				12	IF	...	31.40
Nov. 28	B	1 11 13.15	159 35 18.90	17	CF	19.65	30.18
29	IF	13.28	17.03	20	IF	19.49	32.24
Dec. 4	CF	13.08	17.90	27	IF	19.60	32.95
		^{h m s} 1 11 13.17	159 35 17.94			^{h m s} 1 17 19.61	98 52 31.56
B. A. C. 398.				B. A. C. 422.			
Dec. 5	IF	...	157 6 18.72	Dec. 6	B	1 17 19	157 5 9.77
6	B	...	19.93	B. A. C. 426.			
7	CF	1 12 24.19	19.72	Nov. 29	IF	1 18 44.74	132 11 26.26
		^{h m s} 1 12 24.19	157 6 19.46	♎ Piscium.			
				Aug. 29	CF	1 24 19.07	75 20 43.83
				Oct. 3	CF	19.02	...
				10	CF	19.08	45.47
				19	CF	19.05	44.45
				Nov. 4	CF	19.05	44.97
				19	G	19.04	...
				Dec. 7	CF	19.07	...

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
η Piscium—continued.				ν Piscium—continued.			
Dec. 12	IF	h m s ...	75° 20' 42" 92	Oct. 22	G	h m s 1 34 27.67	85° 11' 30" 81
17	CF	1 24 19.00	...	Nov. 4	CF	27.64	28.42
		1 24 19.05	75 20 44.33	Dec. 7	CF	27.61	...
δ Phœnicis.				17	CF	27.63	28.54
Nov. 29	IF	1 25 40.19	139 46 9.55	20	IF	27.76	28.51
30	CF	40.18	11.27	27	IF	27.77	30.46
Dec. 4	CF	40.09	11.34			1 34 27.68	85 11 29.25
10	B	40.26	11.91	σ Piscium.			
		1 25 40.18	139 46 11.02	Jan. 22	G	1 38 19.31	81 31 3.24
α Eridani.				23	G	19.27	3.63
Nov. 22	B	1 32 43.08	147 55 4.70	Sept. 26	CF	19.15	4.33
26	B	43.44	5.11	Oct. 22	G	19.27	3.70
28	B	43.08	6.70	23	JS	19.27	4.64
30	CF	43.13	5.28	Nov. 19	G	19.35	3.45
Dec. 5	IF	...	4.53			1 38 19.27	81 31 3.83
6	B	...	5.80	ϵ Sculptoris.			
10	B	43.32	5.16	Nov. 29	IF	1 39 22.11	115 43 23.44
12	IF	43.10	4.24	30	CF	22.23	22.61
19	B	43.24	5.35			1 39 22.17	115 43 23.03
		1 32 43.20	147 55 5.21	ζ^2 Eridani.			
ν Piscium.				Dec. 4	CF	1 40 59.45	144 11 44.69
Aug. 29	CF	1 34 27.60	85 11 28.64	7	CF	59.50	43.79
Oct. 5	CF	27.74	28.70	10	B	59.91	45.93
7	CF	27.73	28.57			1 40 59.62	144 11 44.80
8	G	27.71	31.21				
10	CF	27.61	29.20				
19	CF	27.64	28.66				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β Arietis.				B. A. C. 635.			
Oct. 2	G	^{h m s} ...	69° 50' 54".66	Dec. 4	CF	^{h m s} 1 56 10.09	156° 42' 58".79
8	G	1 47 14.56	...	7	CF	10.22	60.28
19	CF	14.58	52.06	10	B	10.46	59.41
Nov. 4	CF	14.56	52.53	12	IF	10.33	59.26
26	B	...	50.87			1 56 10.28	156 42 59.44
		1 47 14.57	69 50 52.53	α Arietis.			
B. A. C. 582.				June 8	JS	...	67 10 20.00
Dec. 19	B	1 48 16.41	136 57 35.54	Aug. 29	CF	1 59 37.41	...
ϕ Phoenicis.				Oct. 2	G	...	(23.37)
Dec. 4	CF	1 48 48.36	133 9 20.62	3	OF	37.60	...
12	IF	48.29	17.30	5	CF	37.39	...
		1 48 48.33	133 9 18.96	7	CF	37.59	21.73
B. A. C. 589.				8	G	37.47	22.73
Nov. 30	CF	1 49 11.93	158 36 18.20	18	B	37.56	...
Dec. 7	CF	11.41	18.16	19	CF	37.46	19.65
		1 49 11.67	158 36 18.18	Nov. 19	G	37.42	...
η^3 Hydri.				26	B	...	19.72
Dec. 10	B	1 51 32.66	158 18 25.25	Dec. 27	IF	37.54	22.97
19	B	32.50	25.19			1 59 37.49	67 10 21.13
20	IF	33.00	23.93	ξ^1 Ceti.			
		1 51 32.72	158 18 24.79	Aug. 29	CF	2 5 54.03	81 46 57.76
				Sept. 26	CF	54.03	59.19
				Nov. 19	G	54.09	60.07
				Dec. 17	CF	54.05	57.07
				18	IF	54.15	57.45
						2 5 54.07	81 46 58.31

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
67 Ceti.				ξ^2 Ceti— <i>continued</i> .			
Aug. 29	CF	^{h m s} 2 10 18.09	^{° ' "}	Dec. 18	IF	^{h m s} ...	82° 8' 30".26
Sept. 26	CF	...	97 2 27.81	20	IF	2 21 2.33	30.26
Oct. 3	CF	18.12	25.45			2 21 2.29	82 8 30.10
5	CF	18.12	...	B. A. C. 787.			
7	CF	18.12	...	Dec. 10	B	2 27 17.29	136 27 46.80
8	G	18.12	...	η Horologii.			
19	CF	18.05	26.22	Dec. 2	JS	...	143 7 25.98
24	CF	18.21	26.49	14	CF	2 32 59.41	27.87
Nov. 16	CF	18.01	...			2 32 59.41	143 7 26.93
Dec. 4	CF	18.12	...	γ Ceti.			
7	CF	18.17	...	Oct. 24	CF	2 36 21.61	...
14	CF	...	27.94	29	CF	21.67	87 19 50.01
20	IF	18.09	26.60	30	JS	21.62	49.02
27	IF	17.97	25.29	Nov. 5	G	21.66	...
		2 10 18.10	97 2 26.54	Dec. 7	CF	21.48	...
δ Hydri.				17	CF	21.53	...
Dec. 10	B	2 19 22.33	159 16 11.74	20	IF	21.50	49.64
ξ^2 Ceti.				27	IF	21.57	50.80
Aug. 29	CF	2 21 2.32	82 8 30.75			2 36 21.58	87 19 49.87
Oct. 3	CF	2.23	...	ϵ Hydri.			
7	CF	2.28	...	Dec. 10	B	2 37 32.07	158 50 31.21
24	CF	2.33	29.15				
29	CF	2.36	30.57				
Nov. 9	CF	2.20	...				
Dec. 2	JS	...	30.63				
7	CF	2.24	...				
12	IF	...	30.21				
14	CF	...	29.89				
17	CF	2.30	29.22				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
μ Ceti.				α Ceti—continued.			
Jan. 23	G	$\begin{smallmatrix} h & m & s \\ 2 & 37 & 42\cdot12 \end{smallmatrix}$	$80^{\circ} 27' 11'' 20$	Oct. 30	JS	$\begin{smallmatrix} h & m & s \\ 2 & 55 & 16\cdot65 \end{smallmatrix}$	$^{\circ} \quad ' \quad ''$
Sept. 27	JS	$42\cdot22$	$11\cdot59$	Nov. 5	G	$16\cdot66$	...
Oct. 23	JS	...	$13\cdot14$	6	CF	$16\cdot66$	$86 \ 26 \ 15\cdot11$
24	CF	$42\cdot17$	$10\cdot86$	21	G	$16\cdot72$	...
Nov. 21	G	$42\cdot17$	$11\cdot96$	Dec. 7	CF	$16\cdot52$	...
Dec. 17	CF	$42\cdot07$	$11\cdot16$	14	CF	...	$14\cdot20$
18	IF	$42\cdot29$	...			$2 \ 55 \ 16\cdot66$	$86 \ 26 \ 15\cdot12$
		$2 \ 37 \ 42\cdot17$	$80 \ 27 \ 11\cdot65$	B. A. C. 956.			
B. A. C. 864.				Nov. 16	JS	$2 \ 56 \ 16\cdot27$	$154 \ 36 \ 18\cdot16$
Dec. 2	JS	...	$133 \ 24 \ 3\cdot80$	Dec. 19	B	$16\cdot30$	$17\cdot07$
19	B	$2 \ 40 \ 30\cdot79$	$4\cdot49$	26	B	$16\cdot22$	$18\cdot93$
		$2 \ 40 \ 30\cdot79$	$133 \ 24 \ 4\cdot15$			$2 \ 56 \ 16\cdot26$	$154 \ 36 \ 18\cdot05$
ζ Hydri.				θ Hydri.			
Dec. 10	B	$2 \ 43 \ 29$	$158 \ 10 \ 50\cdot79$	Dec. 19	B	$3 \ 1 \ 59\cdot98$	$162 \ 25 \ 35\cdot01$
σ Arietis.				26	B	$59\cdot96$	$36\cdot02$
Nov. 21	G	$2 \ 44 \ 6\cdot01$	$75 \ 28 \ 18\cdot07$			$3 \ 1 \ 59\cdot97$	$162 \ 25 \ 35\cdot51$
λ Ceti.				δ Arietis.			
Sept. 27	JS	$2 \ 52 \ 32\cdot29$	$81 \ 37 \ 42\cdot36$	Oct. 21	CF	...	$70 \ 46 \ 55\cdot09$
α Ceti.				24	CF	$3 \ 3 \ 58\cdot25$	$54\cdot77$
Oct. 18	B	$2 \ 55 \ 16\cdot72$	...	Nov. 2	G	$58\cdot25$	...
29	CF	$16\cdot69$	$86 \ 26 \ 16\cdot04$	6	CF	$58\cdot39$	$54\cdot13$
				21	G	$58\cdot32$	...
				Dec. 18	IF	...	$54\cdot91$
						$3 \ 3 \ 58\cdot30$	$70 \ 46 \ 54\cdot73$

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Fornacis.				η Tauri— <i>continued</i> .			
Nov. 16	JS	^{h m s} 3 6 22.83	119° 30' 61".60	Oct. 29	CF	^{h m s} 3 39 31.42	° ' "
Dec. 14	CF	22.66	58.25	Dec. 27	IF	31.32	66 18 43.57
19	B	22.81	58.33			3 39 31.41	66 18 40.94
		3 6 22.77	119 30 59.39	ϵ Tauri.			
B. A. C. 1038.				Jan. 25	JS	3 40 55.59	79 16 16.76
Dec. 19	B	...	169 29 48.70	Dec. 18	IF	55.60	16.20
26	B	3 12 11.36	50.33	19	G	55.63	16.32
		3 12 11.36	169 29 49.52			3 40 55.61	79 16 16.43
ι Hydri.				B. A. C. 1197.			
Nov. 16	JS	3 19 21.76	167 52 34.45	Nov. 16	JS	3 42 31.87	155 13 42.66
f Tauri.				Dec. 26	B	31.69	45.46
Oct. 24	CF	3 23 28.71	77 31 28.07			3 42 31.78	155 13 44.06
Dec. 18	IF	28.87	27.22	τ^s Eridani.			
		3 23 28.79	77 31 27.65	Dec. 27	IF	3 48 0.44	115 0 39.36
B. A. C. 1109.				ν^s Eridani.			
Nov. 16	JS	3 29 11.21	122 19 25.96	Dec. 26	B	3 48 32.65	125 7 47.48
Dec. 26	B	11.36	...	γ Hydri.			
		3 29 11.29	122 19 25.96	Mar. 20	G	3 49 20.53	164 38 55.83
η Tauri.				21	G	20.53	...
Oct. 12	CF	3 39 31.45	66 18 39.51	24	G	(21.32)	...
24	CF	31.45	39.75			3 49 20.53	164 38 55.83

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ Hydri S.P.				ϵ^1 Eridani— <i>continued</i> .			
Mar. 20	G	$\begin{smallmatrix} h & m & s \\ 3 & 49 & 20\cdot53 \end{smallmatrix}$	$\begin{smallmatrix} ^\circ & ' & '' \\ & & \dots \end{smallmatrix}$	Oct. 29	CF	$\begin{smallmatrix} h & m & s \\ 4 & 5 & 19\cdot53 \end{smallmatrix}$	$\begin{smallmatrix} ^\circ & ' & '' \\ 97 & 11 & 21\cdot07 \end{smallmatrix}$
25	G	$\begin{smallmatrix} & & \\ & & 20\cdot70 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 164 & 38 & 56\cdot45 \end{smallmatrix}$	Nov. 2	CF	$\begin{smallmatrix} & & \\ & & 19\cdot64 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 20\cdot38 \end{smallmatrix}$
		$\begin{smallmatrix} & & \\ 3 & 49 & 20\cdot62 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 164 & 38 & 56\cdot45 \end{smallmatrix}$	5	G	$\begin{smallmatrix} & & \\ & & 19\cdot51 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$
γ^1 Eridani.				6	CF	$\begin{smallmatrix} & & \\ & & 19\cdot61 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 19\cdot71 \end{smallmatrix}$
Oct. 18	B	$\begin{smallmatrix} & & \\ 3 & 51 & 46\cdot72 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$	8	G	$\begin{smallmatrix} & & \\ & & 19\cdot62 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 19\cdot57 \end{smallmatrix}$
19	CF	$\begin{smallmatrix} & & \\ & & 46\cdot62 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 103 & 53 & 27\cdot67 \end{smallmatrix}$	18	IF	$\begin{smallmatrix} & & \\ & & 19\cdot56 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 21\cdot40 \end{smallmatrix}$
21	CF	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 27\cdot08 \end{smallmatrix}$	21	G	$\begin{smallmatrix} & & \\ & & 19\cdot48 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 21\cdot08 \end{smallmatrix}$
29	CF	$\begin{smallmatrix} & & \\ & & 46\cdot71 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 29\cdot15 \end{smallmatrix}$	Dec. 19	G	$\begin{smallmatrix} & & \\ & & 19\cdot65 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$
30	JS	$\begin{smallmatrix} & & \\ & & 46\cdot76 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$			$\begin{smallmatrix} & & \\ 4 & 5 & 19\cdot55 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 97 & 11 & 19\cdot76 \end{smallmatrix}$
Nov. 2	CF	$\begin{smallmatrix} & & \\ & & 46\cdot68 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 28\cdot60 \end{smallmatrix}$	γ Tauri.			
4	JS	$\begin{smallmatrix} & & \\ & & 46\cdot74 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$	Feb. 22	JS	$\begin{smallmatrix} & & \\ 4 & 12 & 10\cdot34 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 74 & 41 & 52\cdot85 \end{smallmatrix}$
5	G	$\begin{smallmatrix} & & \\ & & 46\cdot66 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 29\cdot45 \end{smallmatrix}$	Sept. 27	JS	$\begin{smallmatrix} & & \\ & & 10\cdot16 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 53\cdot70 \end{smallmatrix}$
6	CF	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 28\cdot72 \end{smallmatrix}$	28	CF	$\begin{smallmatrix} & & \\ & & 10\cdot26 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 52\cdot98 \end{smallmatrix}$
8	G	$\begin{smallmatrix} & & \\ & & 46\cdot72 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 29\cdot62 \end{smallmatrix}$			$\begin{smallmatrix} & & \\ 4 & 12 & 10\cdot25 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 74 & 41 & 53\cdot18 \end{smallmatrix}$
9	IF	$\begin{smallmatrix} & & \\ & & 46\cdot71 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 30\cdot03 \end{smallmatrix}$	ϵ^4 Eridani.			
18	IF	$\begin{smallmatrix} & & \\ & & 46\cdot79 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 30\cdot38 \end{smallmatrix}$	Nov. 16	JS	$\begin{smallmatrix} & & \\ 4 & 12 & 49\cdot59 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 124 & 7 & 38\cdot10 \end{smallmatrix}$
21	G	$\begin{smallmatrix} & & \\ & & 46\cdot72 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 28\cdot84 \end{smallmatrix}$	δ^1 Tauri.			
Dec. 18	IF	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 30\cdot25 \end{smallmatrix}$	Sept. 28	CF	$\begin{smallmatrix} & & \\ 4 & 15 & 12\cdot62 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 72 & 46 & 25\cdot17 \end{smallmatrix}$
		$\begin{smallmatrix} & & \\ 3 & 51 & 46\cdot71 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 103 & 53 & 29\cdot07 \end{smallmatrix}$	Nov. 21	G	$\begin{smallmatrix} & & \\ & & 12\cdot52 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 27\cdot91 \end{smallmatrix}$
λ Tauri.				22	JS	$\begin{smallmatrix} & & \\ & & 12\cdot62 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 27\cdot18 \end{smallmatrix}$
Oct. 24	CF	$\begin{smallmatrix} & & \\ 3 & 53 & 15\cdot49 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 77 & 53 & 25\cdot03 \end{smallmatrix}$			$\begin{smallmatrix} & & \\ 4 & 15 & 12\cdot59 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 72 & 46 & 26\cdot75 \end{smallmatrix}$
ϵ^1 Eridani.				θ Reticuli.			
Sept. 28	CF	$\begin{smallmatrix} & & \\ 4 & 5 & 19\cdot60 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$	Dec. 26	B	$\begin{smallmatrix} & & \\ 4 & 16 & 10\cdot65 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 153 & 34 & 51\cdot50 \end{smallmatrix}$
Oct. 10	CF	$\begin{smallmatrix} & & \\ & & 19\cdot44 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ 97 & 11 & 18\cdot38 \end{smallmatrix}$				
12	CF	$\begin{smallmatrix} & & \\ & & 19\cdot57 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 19\cdot30 \end{smallmatrix}$				
19	CF	$\begin{smallmatrix} & & \\ & & 19\cdot44 \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 19\cdot45 \end{smallmatrix}$				
21	CF	$\begin{smallmatrix} & & \\ & & \dots \end{smallmatrix}$	$\begin{smallmatrix} & & \\ & & 17\cdot28 \end{smallmatrix}$				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
η Reticuli.				α Tauri—continued.			
Dec. 4	JS	$h\ m\ s$ 4 20 26.95	$^{\circ}\ ' \ ''$ 153 42 16.26	Mar. 22	CF	$h\ m\ s$ 4 28 14.02	$^{\circ}\ ' \ ''$
ϵ Tauri.				June 8	G	...	73 45 45.22
Jan. 25	JS	...	71 7 9.60	10	G	...	44.75
26	G	4 20 47.68	9.23	21	G	...	46.30
Feb. 22	JS	...	8.95	22	G	...	46.37
Sept. 27	JS	...	8.79	27	G	13.95	47.24
28	CF	47.80	8.20	28	G	14.09	...
Oct. 10	CF	47.67	7.31	Sept. 28	CF	14.14	...
12	CF	47.71	6.40	Oct. 10	CF	14.12	44.22
19	CF	47.70	7.93	12	CF	13.98	...
22	G	47.68	...	18	B	14.03	(43.30)
26	CF	48.04	9.04	19	CF	14.11	45.04
29	CF	47.64	9.09	26	CF	14.26	44.86
30	JS	47.72	10.15	Nov. 1	JS	...	46.40
Nov. 1	JS	...	10.77	2	CF	14.06	43.81
2	CF	47.70	8.66	8	G	14.04	45.52
4	J	47.75	9.58	9	IF	13.94	47.18
5	G	47.64	...	Dec. 19	G	14.16	46.58
6	CF	47.73	...	20	JS	...	45.74
18	IF	47.74	9.50			4 28 14.07	73 45 45.63
21	G	47.68	9.08	α Doradus.			
22	JS	...	9.58	Nov. 16	JS	4 31 6.29	145 19 22.74
Dec. 19	G	47.80	...	Dec. 4	JS	6.19	21.62
20	JS	...	9.31			4 31 6.24	145 19 22.18
		4 20 47.73	71 7 8.95	B. A. C. 1454.			
α Tauri.				Sept. 1	G	4 32 57.70	...
Jan. 25	JS	...	73 45 45.16	2	G	58.29	171 52 46.59
26	G	4 28 14.08	45.64			4 32 58.00	171 52 46.59
Feb. 22	JS	...	45.71				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1454 S.P.				15 Orionis.			
Sept. 1	G	^{h m s} 4 32 57.98	171° 52' 46".78	Sept. 28	CF	^{h m s} 5 2 1.85	74° 34' 34".30
2	G	57.81	...	•			
		4 32 57.90	171 52 46.78	β Orionis.			
λ Pictoria.				Jan. 26	G	5 8 5.89	98 21 32.44
Nov. 16	JS	4 39 20.61	140 44 4.70	Mar. 22	CF	5.89	...
Dec. 4	JS	20.71	5.34	June 10	G	...	31.39
		4 39 20.66	140 44 5.02	19	G	...	30.99
11 Orionis.				24	CF	...	30.88
Sept. 28	CF	4 56 54.85	74 47 5.22	25	CF	...	31.03
B. A. C. 1587.				27	G	5.97	...
Sept. 4	G	4 59 3.65	165 8 28.32	28	G	5.95	...
B. A. C. 1587 S.P.				July 12	G	5.94	...
Sept. 4	G	4 59 3.48	...	Sept. 28	CF	5.86	...
ε Leporis.				Oct. 3	CF	...	31.94
Oct. 8	G	4 59 47.34	112 33	5	CF	...	29.52
7 ^a Pictoria.				7	CF	5.83	30.64
Nov. 16	JS	5 1 29.95	139 45 38.45	10	CF	...	32.03
27	CF	(30.95)	(37.30)	18	B	5.77	(25.51)
29	JS	30.17	39.77	19	CF	...	30.60
Dec. 4	JS	29.99	39.30	21	JS	...	31.25
		5 1 30.04	139 45 39.17	22	G	...	29.82
				26	CF	5.68	29.45
				29	CF	...	35.28
				Nov. 1	JS	...	31.69
				4	JS	5.97	31.73
				5	G	5.81	...
				6	CF	...	30.40
				9	IF	5.93	30.96
				27	CF	...	(28.17)
				Dec. 7	IF	...	31.80
				20	JS	...	33.37
						5 8 5.87	98 21 31.36

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β Orionis (Reflexion).				β Tauri—continued.			
Oct. 3	CF	^{h m s} ...	98° 21' 35" 24	Nov. 2	CF	^{h m s} 5 17 49.39	° ' "
5	CF	...	34.32	6	CF	49.34	...
10	CF	...	34.11			5 17 49.36	61 30 30.68
19	CF	...	34.53	115 Tauri.			
21	CF	...	35.71				
22	G	...	31.47	Nov. 22	JS	5 19 21.15	72 9 23.17
29	CF	...	34.19	θ^2 Pictoris.			
Nov. 1	JS	...	32.58	Nov. 29	JS	5 21 43.96	142 26 5.07
2	CF	...	34.36	Dec. 4	JS	...	3.05
6	CF	...	31.75			5 21 43.96	142 26 4.06
			98 21 33.83	119 Tauri.			
θ Doradus.				Feb. 23	CF	5 24 21.57	71 30 30.05
Nov. 16	JS	5 13 52.16	157 20 9.52	ζ Pictoris.			
29	JS	52.42	9.97	Nov. 27	CF	5 16 5	140 45 (1.32)
Dec. 4	JS	52.13	...	β Tauri.			
7	IF	52.20	9.85	Jan. 26	G	5 17 49.41	...
		5 13 52.23	157 20 9.78	Mar. 22	CF	9.78	...
δ Orionis.				June 27	G	9.67	...
Nov. 26	G	5 25	9.72	28	G	9.69	...
Mar. 22	CF	9.78	...	July 12	G	9.72	...
June 27	G	9.67	...	Oct. 26	CF	9.32	...
28	G	9.69	...	Nov. 2	CF	9.71	...
July 12	G	9.72	...	5	G	9.89	...
Oct. 26	CF	9.32	...	6	CF	9.75	...
Nov. 2	CF	9.71	...	18	IF	10.00	90 24 3.74
5	G	9.89	...				
6	CF	9.75	...				
18	IF	10.00	90 24 3.74				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
δ Orionis—continued.				ζ Tauri.			
Nov. 26	G	^{h m s} 5 25 9.69	° ... "	Jan. 26	G	^{h m s} 5 29 38.50	68° 56' (33" 26)
28	G	9.71	...	Feb. 22	JS	38.43	30.82
		5 25 9.72	90 24 3.74	23	CF	38.34	30.14
α Leporis.				Oct. 26	CF	38.22	31.31
Mar. 22	CF	5 26 49.18	...	Nov. 22	JS	38.11	30.92
Oct. 26	CF	49.27	...	Dec. 20	JS	38.32	31.58
Nov. 2	CF	49.25	...			5 29 38.32	68 56 30.95
6	CF	49.21	...	α Columbee.			
26	G	49.18	...	Feb. 23	CF	5 34 47.84	...
28	G	49.27	...	Mar. 22	CF	47.81	...
		5 26 49.23	107 55	June 18	G	47.84	...
B. A. C. 1756.				21	G	47.72	...
Nov. 16	JS	5 28 20.93	128 36 30.73	22	G	47.81	...
ε Orionis.				24	CF	47.69	...
Mar. 22	CF	5 29 24.86	...	25	CF	47.72	...
June 27	G	24.99	...	26	G	47.72	...
28	G	24.84	...	27	G	47.81	...
July 12	G	24.88	...	28	G	47.88	...
Nov. 2	CF	24.91	...	July 3	G	47.93	...
6	CF	24.78	...	4	G	47.95	...
26	G	24.86	...	6	G	47.99	...
28	G	24.89	..	8	G	47.77	...
		5 29 24.88	91 17	9	G	47.80	...
				10	G	47.70	...
				12	G	47.78	...
				13	G	47.80	...
				17	G	47.73	...
				18	G	47.75	...
				19	G	47.75	...
				Oct. 7	CF	47.87	124 8 49.47
				9	JS	47.66	50.78
				18	B	(47.50)	(46.01)

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Columbae—continued.				B. A. C. 1890.			
Nov. 2	CF	^{h m s} 5 34 47.81	^{° ′ ″} 124 8 49.34	Dec. 7	IF	^{h m s} 5 47 51.62	^{° ′ ″} 142 8 25.39
5	G	47.84	49.30	α Orionis.			
6	CF	47.71	47.43	Mar. 22	CF	5 47 55.11	...
18	IF	47.83	49.24	June 27	G	55.05	...
26	G	47.80	49.46	28	G	55.05	...
27	CF	47.85	(46.69)	July 12	G	55.05	...
28	G	47.85	48.72	Oct. 9	JS	...	82 37 14.79
29	JS	47.92	...	16	CF	...	12.30
Dec. 4	JS	47.98	...	18	B	55.09	(10.61)
7	IF	47.82	47.49	19	CF	...	14.67
17	B	47.92	49.40	21	JS	...	14.17
20	JS	47.70	...	22	G	...	14.11
		5 34 47.81	124 8 48.99	24	CF	...	14.32
B. A. C. 1855.				29	CF	...	13.55
Nov. 29	JS	5 42 44.92	136 38 52.19	30	JS	...	14.15
Dec. 7	IF	44.81	51.73	Nov. 1	JS	...	14.71
10	JS	...	51.98	2	CF	...	14.46
		5 42 44.87	136 38 51.97	4	JS	54.97	14.44
β Pictoris.				5	G	...	14.75
Nov. 27	CF	5 44 (6.73)	141 6 (54.42)	6	CF	...	16.29
χ^1 Orionis.				9	IF	55.11	13.91
Oct. 26	CF	5 46 27.11	69 45 6.55	18	IF	55.06	14.71
Dec. 20	JS	26.98	6.09	22	JS	...	14.14
21	CF	27.01	7.31	26	G	55.05	...
		5 46 27.03	69 45 6.65	28	G	55.03	14.61
α Orionis (Reflexion).				Dec. 17	B	...	12.49
Oct. 16	CF	...	82 37 17.74			5 47 55.06	82 37 14.25
19	CF	...	17.32				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Orionis (Reflexion)— <i>continued</i> .				μ Geminorum.			
Oct. 21	CF	^h ^m ^s ...	82° 37' 17".55	Feb. 23	CF	^h ^m ^s ...	67° 25' 14".49
22	G	...	17.51	Oct. 7	CF	6 14 51.23	13.58
24	CF	...	20.10	24	CF	51.02	...
29	CF	...	15.90	Nov. 9	IF	51.25	15.53
30	JS	...	15.05	24	G	...	15.53
Nov. 1	JS	...	15.51	Dec. 7	IF	...	13.96
2	CF	...	16.36	20	JS	...	14.03
5	G	...	14.03			6 14 51.17	67 25 14.57
6	CF	...	16.13				
22	JS	...	16.27				
		...	82 37 16.62				
λ Columbae.				α Argus.			
Dec. 14	IF	5 48 15	123 49 57.60	Oct. 2	G	...	142 37 24.60
				5	CF	...	28.10
				7	CF	6 20 58.64	23.10
				8	G	...	23.58
				9	JS	58.74	24.34
				10	CF	...	24.11
Dec. 4	JS	5 50 2.53	156 56 3.30	18	B	58.43	(23.12)
10	JS	...	3.81	21	JS	...	23.71
		5 50 2.53	156 56 3.56	22	G	...	23.99
				23	JS	...	27.20
				29	CF	...	24.62
				30	JS	...	22.83
				Nov. 1	JS	...	24.53
				2	CF	...	23.04
				4	JS	58.77	23.68
				5	G	...	23.39
				6	CF	...	23.77
				18	IF	58.53	(23.89)
				23	CF	58.67	22.90
				26	G	58.77	24.38
				28	G	58.73	23.21
				29	JS	58.77	23.69
				Dec. 11	CF	58.47	23.34
γ Columbae.							
Nov. 27	CF	5 51 (47.27)	125 17 (55.44)				
ν Orionis.							
Feb. 23	CF	...	75 13 6.87				
24	JS	...	6.81				
Nov. 6	CF	5 59 55.31	...				
8	G	55.30	...				
		5 59 55.31	75 13 6.84				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Argûs— <i>continued.</i>				α Canis Majoris.			
Dec. 14	IF	m s ...	142° 37' 23" 51	Jan. 23	JS	h m s 6 39 14' 50	° ' " ... "
17	B	6 20 58' 83	...	May 12	G	14' 45	...
		6 20 58' 67	142 37 24' 03	Oct. 2	G	...	106 32 7' 29
α Argûs (Reflexion).				5	CF	...	3' 47
Oct. 2	G	...	142 37 26' 08	7	CF	14' 43	4' 96
5	CF	...	26' 18	8	G	...	5' 26
8	G	...	25' 27	9	JS	14' 56	4' 38
10	CF	...	26' 82	10	CF	...	4' 52
19	CF	...	28' 70	18	B	14' 38	(1' 05)
21	CF	...	29' 72	19	CF	...	3' 87
22	G	...	27' 51	21	JS	...	4' 31
23	JS	...	25' 15	22	G	...	5' 28
29	CF	...	26' 05	23	JS	...	3' 52
Nov. 1	JS	...	23' 96	24	CF	...	2' 97
2	CF	...	25' 51	26	JS	...	5' 99
5	G	...	26' 03	29	CF	...	4' 84
6	CF	...	25' 81	30	JS	14' 42	4' 38
		...	142 37 26' 37	Nov. 1	JS	...	2' 57
γ Geminorum.				2	CF	...	4' 79
Feb. 24	JS	...	73 29 21' 38	4	JS	14' 41	5' 03
Apr. 20	CF	...	20' 89	5	G	...	6' 36
Nov. 6	CF	6 29 58' 08	...	6	CF	...	4' 97
18	IF	58' 07	22' 67	8	G	...	1' 77
24	G	...	24' 03	9	IF	...	5' 07
Dec. 21	CF	...	22' 47	16	JS	...	4' 76
22	CF	...	21' 59	18	IF	14' 70	5' 30
		6 29 58' 08	73 29 22' 17	21	G	14' 49	4' 48
				22	JS	...	4' 29
				23	CF	14' 32	3' 51
				26	G	14' 46	4' 65
				28	G	...	4' 80
				Dec. 10	JS	...	5' 50
				11	CF	...	6' 21
				14	IF	...	4' 57
				18	IF	14' 36	2' 51
				19	G	...	5' 50

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>α Canis Majoris—continued.</i>				<i>ε Canis Majoris.</i>			
Dec. 20	JS	^{h m s} 6 39 14.47	^{° ' "}	July 12	G	^{h m s} 6 53 21.56	^{° ' "}
21	CF	14.48	106 32 4.53	Oct. 2	G	...	118 47 30.93
22	CF	14.27	5.40	3	CF	21.51	25.04
		6 39 14.45	106 32 4.62	5	CF	21.58	28.73
<i>α Canis Majoris (Reflexion).</i>				7	CF	21.61	28.87
Oct. 2	G	...	106 32 4.56	8	G	21.61	...
5	CF	...	6.47	9	JS	...	29.84
8	G	...	5.36	26	JS	...	28.80
10	CF	...	8.68	30	JS	21.46	29.10
19	CF	...	6.26	Nov. 1	JS	...	27.91
21	CF	...	7.34	2	CF	...	29.09
22	G	...	5.69	4	JS	21.59	29.66
23	JS	...	5.44	6	CF	...	28.69
24	CF	...	7.27	9	IF	...	28.67
26	CF	...	6.54	16	JS	...	31.16
29	CF	...	7.27	18	IF	21.45	30.45
Nov. 1	JS	...	6.55	21	G	21.55	29.07
2	OF	...	6.65	22	JS	...	28.56
5	G	...	6.48	26	G	21.55	29.40
6	CF	...	8.84	28	G	21.60	...
8	G	...	7.00	30	B	...	29.82
16	JS	...	4.55	Dec. 14	IF	...	29.55
22	JS	...	5.78	18	IF	...	25.83
28	G	...	6.09	19	G	21.52	...
Dec. 19	G	...	5.87			6 53 21.55	118 47 28.96
		...	106 32 6.43	<i>ε Canis Majoris (Reflexion).</i>			
<i>B. A. C. 2252.</i>				Oct. 26	CF	...	118 47 32.58
Nov. 29	JS	6 45 59.93	124 12 39.90	29	CF	...	34.02
Dec. 10	JS	...	38.15	Nov. 1	JS	...	32.74
		6 45 59.93	124 12 39.03	2	CF	...	35.46
				6	CF	...	33.63
				16	JS	...	33.89
				22	JS	...	31.18
						...	118 47 33.36

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ε Puppis.				I Puppis.			
Dec. 4	JS	^{h m s} 6 53 30.90	123° 55' 53".36	Dec. 18	IF	^{h m s} 7 8 44.48	136° 32' 9".88
10	JS	...	54.08	20	JS	44.46	11.78
		6 53 30.90	123 55 53.72			7 8 44.47	136 32 10.83
ζ Geminorum.				27 Canis Majoris.			
Jan. 1	G	6 56 9.83	69 14 9.30	Nov. 22	JS	7 8 47.51	116 7 24.48
Feb. 24	JS	9.41	8.83	Dec. 4	JS	47.37	23.19
Mar. 24	JS	9.63	9.31	7	IF	47.64	24.64
Dec. 21	CF	9.77	11.59			7 8 47.51	116 7 24.10
22	CF	9.48	11.01	λ Geminorum.			
		6 56 9.62	69 14 10.01	Jan. 29	G	7 10 23.46	...
γ Canis Majoris.				Mar. 24	JS	23.49	73 13 13.22
Oct. 7	CF	6 57 41.73	105 26 14.78	Nov. 24	G	23.51	14.35
Nov. 8	G	41.73	...	25	CF	23.53	13.65
9	IF	...	12.56			7 10 23.50	73 13 13.74
18	IF	41.68	15.52	8 Geminorum.			
21	G	41.76	14.04	Jan. 1	G	...	67 46 26.45
26	G	41.79	14.66	Feb. 24	JS	...	24.65
28	G	41.80	...	Nov. 9	IF	7 12 7.09	25.44
Dec. 19	G	41.53	...			7 12 7.09	67 46 25.51
		6 57 41.72	105 26 14.31	30 Canis Majoris.			
C Puppis.				Dec. 11	CF	7 13 9.13	114 42 41.04
Dec. 4	JS	6 59 48.10	132 8 25.08	18	IF	9.22	41.97
				20	JS	9.09	42.38
						7 13 9.15	114 42 41.80

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
8 Volantis.				g Puppis.			
Dec. 7	IF	^{h m s} 7 16 53.26	157° 42' 42".27	Dec. 18	IF	^{h m s} 7 28 57.60	115° 49' 27".82
				20	JS	57.54	29.26
						7 28 57.57	115 49 28.54
6 Canis Minoris.				f Geminorum.			
Apr. 21	JS	7 22 20.27	77 43 8.04	Apr. 21	JS	7 31 44.19	72 1 22.87
B. A. C. 2478.				α Canis Minoris.			
Nov. 22	JS	7 23 54.58	121 10 52.80	Jan. 1	G	7 32 17.34	...
Dec. 4	JS	54.54	50.11	29	G	17.13	...
7	IF	54.47	53.06	Mar. 24	JS	17.26	...
		7 23 54.53	121 10 51.99	Apr. 21	JS	17.19	...
B. A. C. 2484.				Aug. 5	G	17.15	...
Dec. 11	CF	7 25 30.14	120 40 54.54	6	G	17.17	...
68 Geminorum.				9	G	17.13	...
Jan. 29	G	7 25 57.48	73 53 16.00	Nov. 9	IF	17.18	84 26 2.09
Nov. 24	G	57.49	14.67	25	CF	17.20	...
25	CF	57.63	15.67	30	B	17.15	3.54
		7 25 57.53	73 53 15.45	Dec. 22	CF	17.19	...
α² Geminorum.						7 32 17.19	84 26 2.82
Nov. 18	IF	7 26 2.38	57 49 15.61	β Geminorum.			
30	B	2.46	16.75	Nov. 9	IF	7 37 6.74	61 39 6.07
		7 26 2.42	57 49 16.18	3 Puppis.			
				Dec. 18	IF	7 38 25.79	118 38 9.55

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
W Puppia.				5 Cancri.			
Dec. 20	JS	^{h m s} 7 39 8.21	130° 36' 28".39	Jan. 1	G	^{h m s} 7 53 52.07	73° 10' 39".75
				2	JS	...	39.65
P Puppia.				Dec. 22	CF	51.88	40.23
Dec. 18	IF	7 45 9.61	136 2 12.79	23	CF	51.61	39.91
20	JS	9.42	12.52			7 53 51.85	73 10 39.89
		7 45 9.52	136 2 12.66	8 Cancri.			
1 Cancri.				Mar. 24	JS	7 57 36.50	76 30 7.58
Jan. 1	G	7 49 22.93	73 51 16.45	25	CF	36.54	5.71
2	JS	...	13.87			7 57 36.52	76 30 6.65
Dec. 22	CF	22.89	15.50	μ^1 Cancri.			
23	CF	22.79	14.94	Nov. 25	CF	...	66 59 1.85
		7 49 22.87	73 51 15.19	26	G	7 58 21.99	2.48
3 Cancri.				28	G	...	3.47
Mar. 24	JS	7 53 6.26	72 19 35.13	30	B	...	6.83
25	CF	6.52	34.96	Dec. 7	IF	...	4.32
		7 53 6.39	72 19 35.05	10	JS	...	2.91
ω^2 Cancri.				11	CF	...	3.63
Dec. 19	G	...	64 32 38.30	14	IF	...	5.11
20	JS	7 53 38.68	41.54	18	IF	...	3.54
21	CF	...	39.45			7 58 21.99	66 59 3.79
		7 53 38.68	64 32 39.76	ζ Cancri.			
Feb. 26	JS	8 4 31.50	71 57 1.44	Nov. 25	CF	31.52	1.80
Nov. 25	CF	31.65	0.84	26	G	8 4 31.56	71 57 1.36

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
λ Cancri.				π Cancri.			
Dec. 18	IF	h m s	65° 33' 29" 08	Feb. 26	JS	h m s	69° 6' 20" 34
19	G	...	28° 79	Nov. 25	CF	...	19° 47
		8 12 34	65 33 28° 94	26	G	8 24 57° 42	20° 63
δ ² Cancri.				28	G	...	20° 51
Feb. 26	JS	8 15 41	71 14 22° 96	Dec. 14	IF	...	18° 74
A Octantis.						8 24 57° 42	69 6 19° 94
Apr. 22	G	8 16 30° 87	178 28 31° 48	A ¹ Cancri.			
A Octantis S.P.				Jan. 29	G	8 35 49° 10	76 50 27° 14
Apr. 21	G	8 16 30° 98	178 28 32° 27	30	CF	49° 07	26° 77
22	G	30° 85	32° 37	Mar. 25	CF	49° 22	26° 44
		8 16 30° 92	178 28 32° 32	26	G	49° 18	24° 98
ν ¹ Cancri.				Apr. 21	JS	49° 22	26° 31
Dec. 7	IF	...	65 1 40° 52	22	G	49° 27	25° 53
11	CF	...	35° 66			8 35 49° 18	76 50 26° 20
14	IF	...	40° 77	ε Hydre.			
		8 18 41	65 1 38° 98	Nov. 30	B	8 39 41	83 5 32° 18
29 Cancri.				α Cancri.			
Jan. 29	G	8 21 8° 68	75 20 52° 61	Jan. 2	JS	8 51 9° 55	77 37 31° 42
Apr. 21	JS	8° 56	52° 06	3	G	9° 29	32° 78
23	G	8° 56	50° 51	Feb. 26	JS	9° 40	31° 03
		8 21 8° 60	75 20 51° 73	Mar. 25	CF	9° 39	30° 48
				26	G	9° 30	30° 15
				May 20	JS	9° 39	31° 77
				Dec. 23	CF	9° 42	30° 78
						8 51 9° 39	77 37 31° 20

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Cancri.				α Hydrae—continued.			
Jan. 2	JS	^{h m s} 9 0 29.32	78° 47' 39".14	May 23	G	^{h m s} 9 21 0.25	98° 4' 45".35
3	G	29.24	39.03	June 23	JS	...	45.14
Feb. 26	JS	29.25	38.60	Nov. 26	G	0.26	...
May 20	JS	29.17	39.30			9 21 0.21	98 4 45.19
Dec. 23	CF	29.18	38.40	β Leonis.			
24	G	29.28	39.96	Jan. 30	CF	9 24 46.39	79 41 40.76
		9 0 29.24	78 47 39.07	31	JS	46.31	41.61
δ_3 Cancri.				Apr. 22	G	46.45	41.56
Jan. 3	G	9 11 29.97	71 44			9 24 46.38	79 41 41.31
ϵ Argus.				ϕ Leonis.			
May 14	G	9 13 30.06	148 42 49.31	Jan. 30	CF	...	79 29 57.38
16	CF	30.00	49.62	31	JS	9 33 59.77	57.48
17	CF	30.14	49.73	Mar. 26	G	59.78	57.16
18	IF	30.00	49.91	27	JS	59.70	57.80
19	IF	29.88	48.43	Apr. 22	G	59.82	58.66
23	G	30.21	...	23	CF	59.85	59.44
25	G	30.16	49.21	Nov. 26	G	60.04	57.49
		9 13 30.06	148 42 49.37			9 33 59.83	79 29 57.92
α Hydrae.				ϵ Leonis.			
Jan. 3	G	9 21 0.13	...	Jan. 3	G	9 38 14.45	...
May 14	G	...	98 4 45.11	Nov. 30	B	...	65 36 36.19
16	CF	...	44.61			9 38 14.45	65 36 36.19
17	CF	...	46.58				
18	IF	...	44.63				
19	IF	...	44.86				
20	JS	...	44.58				
22	G	...	45.89				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
18 Leonis.				α Leonis—continued.			
Mar. 26	G	^{h m s} 9 39 10 [°] 17	77 34 26 ^{''} 69	Sept. 14	G	^{h m s} ... 77 22 43 ^{''} 60	
27	JS	10 [°] 01	25 [°] 95	17	G	... 43 [°] 19	
		9 39 10 [°] 09	77 34 26 [°] 32	Nov. 30	B	... 46 [°] 12	
π Leonis.				Dec. 24	G	... 43 [°] 90	
Jan. 3	G	9 53 7 [°] 90	81 18 51 [°] 78			10 1 13 [°] 89	77 22 44 [°] 12
4	JS	...	49 [°] 52	γ ₁ Leonis.			
May 20	JS	...	50 [°] 58	Mar. 27	JS	10 12 34 [°] 81	...
Dec. 24	G	...	50 [°] 55	Apr. 23	CF	34 [°] 96	...
		9 53 7 [°] 90	81 18 50 [°] 61	May 11	G	34 [°] 89	...
α Leonis.				21	G	34 [°] 87	...
Jan. 3	G	10 1 13 [°] 89	77 22 45 [°] 72	June 30	JS	...	69 28 54 [°] 05
4	JS	...	45 [°] 49	July 2	JS	...	53 [°] 68
May 14	G	...	43 [°] 65	Sept. 13	G	34 [°] 90	...
16	CF	...	43 [°] 44	26	G	34 [°] 87	...
17	CF	...	43 [°] 57	Oct. 5	JS	...	53 [°] 22
18	IF	...	43 [°] 47			10 12 34 [°] 88	69 28 53 [°] 65
19	IF	...	44 [°] 28	44 Leonis.			
20	JS	...	44 [°] 61	Mar. 27	JS	10 18 11 [°] 34	80 32 5 [°] 73
21	G	...	44 [°] 62	28	CF	11 [°] 00	1 [°] 51
June 30	JS	...	44 [°] 03			10 18 11 [°] 17	80 32 3 [°] 62
July 7	JS	...	44 [°] 18	45 Leonis.			
9	JS	...	44 [°] 12	Apr. 23	CF	10 20 34 [°] 23	79 33 17 [°] 26
10	JS	...	43 [°] 31	24	G	34 [°] 29	18 [°] 17
11	JS	...	44 [°] 70			10 20 34 [°] 26	79 33 17 [°] 72
12	JS	...	44 [°] 21				
14	JS	...	43 [°] 80				
17	JS	...	43 [°] 78				
Sept. 9	G	...	44 [°] 45				
12	CF	...	42 [°] 55				

100 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ρ Leonis.				δ^2 Chamæleontis S.P.			
Mar. 27	JS	$h\ m\ s$...	$80^\circ\ 0'\ 15''\ 59$	Nov. 2	G	$h\ m\ s$ $10\ 44\ 30$	$169^\circ\ 50'\ 2''\ 02$
28	CF	...	$16^\circ\ 76$				
Apr. 23	CF	...	$16^\circ\ 66$	d Leonis.			
24	G	...	$16^\circ\ 34$				
		$10\ 25\ 45$	$80^\circ\ 0'\ 16''\ 34$	Jan. 4	JS	...	$85\ 39\ 50^\circ\ 08$
34 Sextantis.				5	G	$10\ 53\ 38^\circ\ 37$	$48^\circ\ 74$
Jan. 4	JS	$10\ 35\ 42^\circ\ 37$	$85\ 43\ 2^\circ\ 71$	May 21	G	$38^\circ\ 45$	$48^\circ\ 87$
5	G	$42^\circ\ 31$	$2^\circ\ 24$	22	CF	$38^\circ\ 44$	$49^\circ\ 56$
		$10\ 35\ 42^\circ\ 34$	$85\ 43\ 2^\circ\ 48$			$10\ 53\ 38^\circ\ 42$	$85\ 39\ 49^\circ\ 31$
η Argûs.				e Leonis.			
Jan. 4	JS	$10\ 39\ 52^\circ\ 28$	$148\ 58\ 49^\circ\ 87$	Mar. 1	CF	$10\ 53\ 48^\circ\ 03$	$83\ 10\ 44^\circ\ 76$
May 14	G	$52^\circ\ 24$	$48^\circ\ 89$	χ Leonis.			
16	CF	$52^\circ\ 28$	$48^\circ\ 49$	Mar. 1	CF	...	$81\ 56\ 22^\circ\ 14$
17	CF	$52^\circ\ 37$	$50^\circ\ 78$	May 21	G	...	$24^\circ\ 70$
18	IF	$(52^\circ\ 66)$	$(52^\circ\ 25)$	22	CF	...	$23^\circ\ 44$
19	IF	$52^\circ\ 61$	$48^\circ\ 13$			$10\ 58\ 6$	$81\ 56\ 23^\circ\ 43$
21	G	$52^\circ\ 20$	...	η Octantis S.P.			
22	G	$52^\circ\ 42$	$50^\circ\ 36$	Nov. 2	G	$11\ 0\ 10$	$173\ 52\ 22^\circ\ 93$
		$10\ 39\ 52^\circ\ 34$	$148\ 58\ 49^\circ\ 42$	p^5 Leonis.			
l Leonis.				Apr. 24	G	$11\ 6\ 53^\circ\ 94$	$89\ 20\ 27^\circ\ 27$
Jan. 5	G	$10\ 42\ 12^\circ\ 76$	$78\ 44\ 46^\circ\ 95$				
δ^1 Chamæleontis S.P.							
Nov. 2	G	$10\ 43\ 58$	$169\ 45\ 45^\circ\ 79$				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
δ Leonis.				*—continued.			
Jan. 5	G	^h ^m ^s 11 6 58.66	68° 45' "	Jan. 23	G	^h ^m ^s 11 24 27.43	131° 11' 13".81
φ Leonis.				26	G	27.49	13' 77
Mar. 28	CF	11 9 50.91	92 55 9.73	ν Leonis.			
29	JS	50.91	9.24	Jan. 26	G	11 30 5.36	...
		11 9 50.91	92 55 9.49	Mar. 1	CF	...	90 5 2.23
δ Hydræ.				2	JS	...	2.89
Jan. 5	G	11 12 38.50	...	29	JS	...	1.45
18	G	...	104 3 13.92	May 22	CF	...	2.83
26	G	38.55	13.09	23	G	5.25	2.09
June 4	G	...	11.13	β Leonis.			
9	JS	...	12.35	Jan. 5	G	11 42 13.40	74 40 43.49
		11 12 38.53	104 3 12.62	*			
σ Leonis.				Jan. 18	G	11 42 15.11	132 44 37.37
Apr. 24	G	11 14 13.51	83 14 11.92	21	G	15.04	36.72
ε Leonis.				23	G	14.98	35.87
Jan. 5	G	11 23 28.16	92 15 51.56	26	G	14.83	35.97
May 22	CF	28.11	51.26	β Virginis.			
23	G	28.09	51.75	Mar. 1	CF	11 43 42.92	87 28 46.80
		11 23 28.12	92 15 51.52	2	JS	43.00	47.65
*						11 43 42.96	87 28 47.23
Jan. 18	G	11 24 27.68	131 11 14.03				
21	G	27.34	13.99				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
*				η Virginis—continued.			
Jan. 18	G	^{h m s} 11 59 52.41	^{° ' "} 133 45 19.54	Mar. 1	G	^{h m s} 12 13 3.19	^{° ' "}
23	G	52.41	21.92	2	JS	...	89 55 18.46
26	G	52.42	22.29	3	CF	...	17.91
Feb. 19	G	52.40	20.98	30	G	...	18.56
		11 59 52.41	133 45 21.18	May 23	G	3.03	17.63
*				24	CF	...	17.43
Feb. 23	G	12 0 49.97	133 59 14.91	June 20	CF	...	17.51
25	G	49.74	11.43			12 13 3.11	89 55 17.92
Mar. 1	G	49.95	12.69	*			
19	G	49.78	12.76	Jan. 21	G	12 18 16.36	134 52 54.96
		12 0 49.86	133 59 12.95	23	G	16.40	54.54
ϵ Corvi.				26	G	16.45	55.47
Jan. 26	G	12 3 14.37	111 52 28.58	Feb. 19	G	16.16	55.30
Feb. 19	G	14.09	...			12 18 16.33	134 52 55.07
25	G	14.19	...	β Corvi.			
Mar. 1	G	14.18	...	Jan. 26	G	12 27 21.06	...
May 23	G	14.25	...	Feb. 19	G	21.21	...
		12 3 14.22	111 52 28.58	25	G	21.21	...
13 Virginis.				Mar. 1	G	21.17	...
May 16	CF	12 11 48.22	90 3	May 23	G	21.17	...
η Virginis.				24	CF	...	112 39 18.41
Jan. 26.	G	12 13 3.06	...	July 9	G	21.21	...
Feb. 19	G	3.16	...			12 27 21.17	112 39 18.41
25	G	3.09	...	Lacaille 5235.			
				June 21	G	12 31 15.52	179 3 46.53
				22	G	(4.13)	(44.11)

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
Lacaille 5235— <i>continued.</i>				*— <i>continued.</i>			
June 23	G	^{h m s} 12 31 15.60	179° 3' 47".38	Feb. 23	G	^{h m s} 12 36 38.83	135° 43' 2".94
24	G	12.65	46.62	25	G	38.68	3.95
29	G	...	47.39			12 36 38.84	135 43 3.14
July 3	G	...	46.30	Octantis S.P.			
		12 31 14.59	179 3 46.84	Nov. 2	G	12 41 13	174 23 41.80
Lacaille 5235 S.P.				*			
June 21	G	12 31 16.92	179 3 49.99	Jan. 23	G	...	136 14 49.33
23	G	12.03	47.29	26	G	12 53 50.73	49.08
24	G	14.80	...	Feb. 19	G	50.53	47.58
		12 31 14.58	179 3 48.64	23	G	50.64	50.06
γ Virginis (1st Star).				25	G	50.60	48.46
Mar. 2	JS	...	90 42 46.51			12 53 50.63	136 14 48.90
16	G	12 34 52.35	...	48 Virginis.			
May 23	G	52.28	47.90	Mar. 30	G	12 57 0.32	92 56 28.28
24	CF	52.33	45.52	31	CF	0.16	26.92
Dec. 15	G	52.25	...	June 21	G	0.27	28.00
		12 34 52.30	90 42 46.64			12 57 0.25	92 56 27.73
γ Virginis (mean).				θ Virginis.			
Mar. 30	G	12 34 52.25	90 42 50.79	Feb. 19	G	13 3 0.84	...
*				25	G	0.90	...
Jan. 21	G	12 36 38.96	...	Mar. 1	G	0.78	...
23	G	38.86	135 43 3.34	30	G	...	94 49 20.84
26	G	38.88	1.78	31	CF	...	20.55
Feb. 19	G	38.82	3.69	May 24	CF	...	20.43

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>θ Virginis—continued.</i>				<i>*—continued.</i>			
May 25	JS	^{h m s} ...	94° 49' 20".56	Feb. 25	G	^{h m s} 13 25 23.66	136° 50' 42".59
June 21	G	...	22.68	Mar. 1	G	23.71	43.49
		13 3 0.84	94 49 21.01			13 25 23.66	136 50 42.68
.				<i>λ Virginis.</i>			
Jan. 26	G	13 9 2.69	136 39 5.76	Mar. 31	CF	13 25 54.79	...
Feb. 19	G	2.65	4.43	Apr. 1	JS	54.89	99 28 24.50
23	G	2.70	4.85	28	JS	54.80	21.66
25	G	2.62	3.94	June 21	G	54.77	23.87
		13 9 2.67	136 39 4.75	22	CF	54.79	24.34
<i>α Virginis.</i>				July 18	G	54.78	23.41
Jan. 26	G	13 18 8.18	...	19	JS	54.76	22.53
Feb. 5	CF	...	100 27 37.46			13 25 54.80	99 28 23.39
19	G	8.24	...	.	
25	G	8.13	...	Mar. 16	G	13 26 52.12	136 54 48.10
Mar. 1	G	8.24	...	19	G	52.11	51.56
Apr. 28	JS	...	39.28	20	G	...	49.64
May 24	CF	...	38.19	25	G	52.18	50.16
25	JS	...	38.76	27	G	52.29	47.80
June 22	CF	8.25	37.96			13 26 52.18	136 54 49.45
July 18	G	...	38.13	<i>ζ Virginis.</i>			
19	JS	...	38.43	Feb. 5	CF	...	89 54 35.61
		13 18 8.21	100 27 38.32	June 22	CF	13 27 52.06	33.93
.						13 27.52.06	89 54 34.77
Feb. 19	G	13 25 23.67	136 50 41.96				
23	G	23.61	42.68				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
m Virginia.				*			
Apr. 1	JS	^{h m s} 13 34 35.03	98° 1' 29".94	Feb. 19	G	^{h m s} 14 7 9.35	136° 48' 34".67
June 21	G	34.87	32.53	23	G	9.43	35.11
22	CF	34.89	30.95	25	G	9.30	35.28
...		13 34 34.93	98 1 31.14	Mar. 1	G	9.42	35.14
						14 7 9.38	136 48 35.05
η Bootis.				*			
June 22	CF	13 48 18.22	70 55 44.56				
τ Virginis.				Mar. 16	G	14 8 8.02	136 55 29.70
June 22	CF	13 54 49.70	87 48	19	G	8.02	32.43
				20	G	...	32.64
94 Virginis.				27	G	8.15	33.00
May 25	JS	13 59 12.25	98 15 3.42	30	G	8.16	32.74
26	JS	12.30	1.31			14 8 8.09	136 55 32.10
		13 59 12.28	98 15 2.37	α Bootis.			
α Virginis.				June 22	CF	14 9 33.02	70 7
Feb. 5	CF	14 5 45.14	99 38 54.17	λ Virginis.			
6	JS	44.95	52.94	Feb. 5	CF	14 11 51.83	102 45 9.35
Apr. 28	JS	45.00	53.75	6	JS	51.74	8.17
May 25	JS	44.98	53.16	Mar. 5	CF	51.83	...
26	JS	...	52.26	Apr. 28	JS	51.79	11.85
July 19	JS	45.00	54.05	July 19	JS	51.68	8.55
20	CF	...	52.88	20	CF	...	9.39
		14 5 45.01	99 38 53.32			14 11 51.77	102 45 9.46

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
2 Libræ.				2 Octantis—continued.			
June 22	CF	^{h m s} 14 16 13.28	^{° ′ ″} 101 6 0.84	July 26	G	^{h m s} 14 25 54.06	^{° ′ ″} 177 35 31.92
23	G	13.21	1.47	27	G	52.99	31.76
		14 16 13.25	101 6 1.16	28	G	51.73	...
.				Aug. 1	G	52.39	31.26
Feb. 19	G	14 19 30.53	136 44 46.38	2	G	51.95	...
23	G	30.65	46.52			14 25 53.02	177 35 31.46
25	G	30.63	48.62	2 Octantis S.P.			
Mar. 1	G	30.60	47.09	July 16	G	14 25 53.74	177 35 31.29
		14 19 30.60	136 44 47.15	23	G	54.31	...
.				26	G	52.76	33.61
Feb. 19	G	14 20 21.28	136 47 9.80	27	G	53.01	...
23	G	21.32	7.98	28	G	51.40	...
25	G	21.26	8.39	Aug. 1	G	52.16	...
Mar. 1	G	21.39	7.89			14 25 52.90	177 35 32.45
		14 20 21.31	136 47 8.52	5 Libræ.			
.				Mar. 5	CF	14 38 34.76	104 53 33.72
Mar. 16	G	14 20 53.05	136 37 31.84	Apr. 1	JS	34.72	33.04
19	G	52.90	32.81	May 26	JS	34.69	32.90
20	G	...	33.88	June 22	CF	34.58	34.67
25	G	53.23	33.89	23	G	34.68	33.56
27	G	53.11	33.06			14 38 34.69	104 53 33.58
		14 20 53.07	136 37 33.10	α ² Libræ.			
2 Octantis.				Feb. 7	CF	...	105 28 57.07
July 16	G	14 25 51.83	177 35 30.89	Mar. 5	CF	...	57.77
23	G	56.18	...	Apr. 1	JS	...	59.08

Data.	Observer.	R.A.	N.P.D.	Data.	Observer.	R.A.	N.P.D.
α^3 Libræ—continued.				ζ^1 Libræ.			
May 26	JS	$\begin{smallmatrix} h & m & s \\ & & \dots \end{smallmatrix}$	$105^{\circ} 28' 57'' 27$	June 23	G	$\begin{smallmatrix} h & m & s \\ & & \dots \end{smallmatrix}$	$106^{\circ} 14' 48'' 67$
July 16	G	14 43 28.19	...	24	G	15 20 42.27	48.29
20	CF	...	58.00			15 20 42.27	106 14 48.48
		14 43 28.19	105 28 57.84	γ Libræ.			
δ^1 Libræ.				June 23	G	15 28 2.03	104 20 25.63
Feb. 7	CF	15 4 35.18	109 16 53.70	24	G	2.00	23.86
July 20	CF	35.30	55.61			15 28 2.02	104 20 24.75
21	G	35.27	56.16	θ Libræ.			
		15 4 35.25	109 16 55.16	May 1	JS	...	106 19 59.46
β Libræ.				July 21	G	15 46 11.98	59.96
Feb. 6	JS	...	98 53 11.05			15 46 11.98	106 19 59.71
July 9	G	15 9 47.93	...	β^1 Scorpii.			
21	G	...	11.30	Feb. 7	CF	...	109 26 8.04
		15 9 47.93	98 53 11.18	May 1	JS	...	9.60
ρ Octantis.				June 24	G	...	8.47
Aug. 6	G	15 12 52.21	174 0 30.02	25	CF	...	7.48
7	G	54.01	31.09	July 9	G	15 57 38.95	...
9	G	51.40	...	21	G	...	9.96
10	G	53.82	...	22	G	...	9.38
		15 12 52.86	174 0 30.56	Oct. 6	JS	...	8.21
ρ Octantis S.P.				8	JS	...	9.42
Aug. 6	G	15 12 53.17	174 0 (37.35)	Dec. 19	CF	...	9.67
9	G	52.54	...	30	G	...	10.30
		15 12 52.86	...			15 57 38.95	109 26 9.05

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β^2 Scorpii.				α Scorpii.			
July 9	G	$\begin{smallmatrix} h & m & s \\ 15 & 57 & 39 \cdot 42 \end{smallmatrix}$	$109 \ 26 \ ''$	June 24	G	$\begin{smallmatrix} h & m & s \\ & & \dots \end{smallmatrix}$	$116 \ 7 \ 52 \cdot 79$
γ^2 Scorpii.				Oct. 6	JS	\dots	$52 \cdot 25$
June 24	G	$16 \ 4 \ 12 \cdot 63$	$109 \ 6 \ 33 \cdot 78$	9	IF	\dots	$(59 \cdot 48)$
25	CF	$12 \cdot 63$	$34 \cdot 46$	11	IF	\dots	$52 \cdot 33$
Aug. 19	G	$12 \cdot 74$	$34 \cdot 47$	20	B	\dots	$51 \cdot 84$
Sept. 15	G	$12 \cdot 79$	\dots	22	B	\dots	$53 \cdot 51$
		$16 \ 4 \ 12 \cdot 70$	$109 \ 6 \ 34 \cdot 24$	24	IF	\dots	$50 \cdot 82$
δ Ophiuchi.				Dec. 21	JS	\dots	$52 \cdot 21$
Dec. 30	G	$16 \ 7 \ 19$	$93 \ 20 \ 49 \cdot 30$	23	G	\dots	$52 \cdot 79$
B. A. C. 5412.				30	G	\dots	$53 \cdot 83$
Aug. 15	G	\dots	$176 \ 5 \ 46 \cdot 84$			$16 \ 21 \ 12$	$116 \ 7 \ 52 \cdot 49$
19	G	$16 \ 11 \ 42 \cdot 67$	$47 \cdot 44$	ϕ Ophiuchi.			
20	G	$42 \cdot 02$	\dots	July 22	G	$16 \ 23 \ 28 \cdot 39$	$106 \ 19 \ 3 \cdot 05$
		$16 \ 11 \ 42 \cdot 35$	$176 \ 5 \ 47 \cdot 14$	Sept. 15	G	$28 \cdot 30$	\dots
B. A. C. 5412 S.P.						$16 \ 23 \ 28 \cdot 35$	$106 \ 19 \ 3 \cdot 05$
Aug. 19	G	$16 \ 11 \ 42 \cdot 36$	$176 \ 5 \ 49 \cdot 98$	B. A. C. 5579.			
ψ Ophiuchi.				May 1	JS	$16 \ 33 \ 49 \cdot 55$	$107 \ 28 \ 45 \cdot 39$
Aug. 19	G	$16 \ 16 \ 15 \cdot 91$	$109 \ 43 \ 14 \cdot 35$	June 24	G	$49 \cdot 56$	$47 \cdot 42$
α Trianguli Australis.				July 22	G	$49 \cdot 58$	$46 \cdot 88$
Jan. 23	G	$16 \ 34 \ 30 \cdot 08$	\dots	23	JS	$49 \cdot 52$	$46 \cdot 38$
24	G	$29 \cdot 89$	\dots			$16 \ 33 \ 49 \cdot 55$	$107 \ 28 \ 46 \cdot 52$
26	G	$30 \cdot 07$	$158 \ 46 \ 33 \cdot 17$	α Trianguli Australis.			
29	G	$29 \cdot 95$	\dots	Jan. 23	G	$16 \ 34 \ 30 \cdot 08$	\dots
				24	G	$29 \cdot 89$	\dots
				26	G	$30 \cdot 07$	$158 \ 46 \ 33 \cdot 17$
				29	G	$29 \cdot 95$	\dots

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Trianguli Australis— <i>continued.</i>				η Ophiuchi— <i>continued.</i>			
Jan. 30	G	^{h m s} 16 34 29·93	° ' "	Aug. 19	G	^{h m s} 17 2 41·84	105° 33' 20·39
Feb. 19	G	30·12	...	20	JS	...	19·82
		16 34 30·01	158 46 33·17	Sept. 15	G	41·74	...
				16	G	41·86	20·97
						17 2 41·78	105° 33' 20·56
α Trianguli Australis S.P.				B. A. C. 5794.			
Jan. 22	G	...	158 46 36·55	Sept. 4	G	17 6 27·20	170 43 26·13
23	JS	...	33·78				
25	JS	...	33·01				
26	G	...	35·25				
		...	158 46 34·65				
B. A. C. 5695.				B. A. C. 5794 S.P.			
May 1	JS	16 48 18	106 35 23·44	Sept. 4	G	17 6 27·43	170 43 27·18
α Ophiuchi.				α Heroulia.			
June 25	CF	16 51 19·76	80 24 50·08	July 24	G	17 8 32·31	...
July 26	B	...	50·32	26	B	...	75 27 12·32
		16 51 19·76	80 24 50·20			17 8 32·31	75 27 12·32
29 Ophiuchi.				ξ Ophiuchi.			
Apr. 5	G	16 54 1·14	108 41 6·43	Aug. 19	G	17 12 58·53	110 57 56·46
June 25	CF	1·07	6·21	20	JS	...	55·90
		16 54 1·11	108 41 6·32			17 12 58·53	110 57 56·18
η Ophiuchi.				θ Ophiuchi.			
Mar. 9	CF	17 2 41·77	105 33 19·98	June 7	JS	...	114 51 44·67
Apr. 5	G	41·79	21·64	8	CF	...	43·19
				21	JS	...	42·72
				29	JS	17 13 46·98	...

110 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>θ Ophiuchi—continued.</i>				B. A. C. 6065.			
July 23	JS	^{h m s} ...	114° 51' 43" 01	Sept. 16	G	^{h m s} 17 48 36.69	105° 47' 7" 40
24	G	17 13 46.90	...	17	JS	36.69	7' 11
Sept. 17	JS	...	43.95			17 48 36.69	105 47 7.26
		17 13 46.94	114 51 43.51	<i>4 Sagittarii.</i>			
<i>α Ophiuchi.</i>				Apr. 5	G	17 51 36.59	113 48 2.49
Jan. 5	G	17 28 42.99	...	<i>σ Octantis.</i>			
June 8	OF	...	77 20 22.02	Sept. 16	G	17 59 4	179 16 44.15
29	JS	42.85	...	<i>σ Octantis S.P.</i>			
July 24	G	42.93	...	Oct. 2	G	...	179 16 46.20
		17 28 42.92	77 20 22.02	5	CF	...	45.74
<i>ξ Serpentis.</i>				10	CF	...	45.53
July 23	JS	17 29 54.90	105 18 38.95	21	CF	...	45.33
24	G	54.96	39.63	24	CF	...	45.28
26	JS	...	39.13	26	CF	...	47.15
Sept. 16	G	54.93	38.93	29	CF	...	43.89
17	JS	54.99	39.10	30	JS	...	44.43
		17 29 54.95	105 18 39.15	Nov. 1	JS	...	46.48
<i>58 Ophiuchi.</i>				4	JS	...	44.34
July 23	JS	17 35 24.02	111 36 52.42	16	JS	...	46.39
24	G	24.19	52.15	22	JS	...	45.18
26	JS	...	53.38	28	G	...	45.16
		17 35 24.11	111 36 52.65	29	JS	...	44.46
<i>μ Herculis.</i>				Dec. 4	JS	...	45.31
July 24	G	17 41 12.93	62 11 55.07	7	IF	...	44.88
				20	JS	...	44.43
						...	179 16 45.30

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
μ Sagittarii.				β^2 Lyrae.			
Apr. 5	G	h m s ...	111° 5' 27" 03	Sept. 18	CF	h m s 18 45 10' 03	56° 48' 3" 05
June 7	JS	...	25' 69	ξ^2 Sagittarii.			
8	CF	...	25' 97	Apr. 7	G	18 49 44' 00	111 16 45' 87
July 4	JS	...	25' 77	ϵ Sagittarii.			
13	CF	18 5 44' 85	26' 62	June 28	CF	18 56 39' 12	111 56 2' 06
16	G	45' 01	25' 84	Aug. 22	CF	39' 01	4' 38
17	CF	44' 83	25' 54			18 56 39' 07	111 56 3' 22
24	G	45' 09	...	ζ Aquilæ.			
Aug. 21	CF	...	24' 10	July 9	G	18 59 15' 09	...
Sept. 16	G	...	25' 81	13	CF	15' 05	...
		18 5 44' 95	111 5 25' 82			18 59 15' 07	76 20
21 Sagittarii.				π Sagittarii.			
July 24	G	18 17 22' 27	110 36 36' 10	Apr. 7	G	19 1 47' 59	...
Aug. 21	CF	22' 29	37' 42	Aug. 22	CF	47' 59	111 13 59' 78
Sept. 17	JS	22' 27	36' 04			19 1 47' 59	111 13 59' 78
18	CF	...	35' 64	d Sagittarii.			
		18 17 22' 28	110 36 36' 30	May 5	G	19 9 47' 73	109 11 16' 86
B. A. C. 6279.				July 26	JS	47' 59	18' 34
Sept. 17	JS	18 21 33' 68	104 38 52' 14	Sept. 18	CF	47' 61	17' 29
18	CF	33' 65	52' 55	19	G	47' 65	17' 62
		18 21 33' 67	104 38 52' 35			19 9 47' 65	109 11 17' 53
β^1 Lyrae.							
Sept. 18	CF	18 45. 8	56 47 27' 68				

112 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ω Aquilæ.				λ^2 Sagittarii.			
June 29	JS	^{h m s} 19 11 31'54	° ' " ... "	May 5	G	^{h m s} 19 28 33'06	° ' " ... "
July 13	CF	31'61	...	June 29	JS	33'09	...
16	G	31'66	...	July 4	JS	...	115 10 33'97
17	CF	31'68	...	9	G	33'00	...
Aug. 22	CF	...	78 38 37'28	11	JS	...	34'31
		19 11 31'62	78 38 37'28	13	CF	33'09	35'48
ρ^1 Sagittarii.				16	G	32'98	34'54
July 26	JS	19 13 53'95	108 5 46'92	17	CF	33'08	33'43
ν Sagittarii.				Aug. 22	CF	...	32'83
May 5	G	19 14 3'28	106 12 11'71	25	JS	...	34'71
Sept. 18	CF	3'08	11'92			19 28 33'05	115 10 34'18
19	G	3'22	13'43	ϵ^2 Sagittarii.			
		19 14 3'19	106 12 12'35	June 28	CF	19 34 51'38	106 26 5'92
δ Aquilæ.				29	JS	51'18	6'29
May 5	G	19 18 44'63	...	July 26	JS	51'13	5'39
June 21	JS	...	87 8 59'62			19 34 51'23	106 26 5'87
29	JS	44'58	...	f Sagittarii.			
July 9	G	44'62	...	Apr. 7	G	19 38 32'61	...
13	CF	44'61	...	Aug. 22	CF	32'71	110 4 48'39
16	G	44'53	...	23	G	32'47	48'99
17	CF	44'56	...			19 38 32'60	110 4 48'69
		19 18 44'59	87 8 59'62	γ Aquilæ.			
				July 13	CF	19 39 53'43	...
				17	CF	53'41	...
						19 39 53'42	79 43

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Aquilæ.				γ Sagittarii.			
July 9	G	^{h m s} 19 44 14.73	° ' "	June 28	CF	^{h m s} 19 50 21.02	105° 50' 38".07
13	CF	14.67	...	ξ^1 Capricorni.			
Nov. 1	B	14.78	...	α^1 Capricorni.			
6	B	14.77	81 28 56.35	α^2 Capricorni.			
29	CF	...	59.12	Oct. 17	JS	20 4 32.32	102 47 15.08
		19 44 14.74	81 28 57.74	α^3 Capricorni.			
ζ^1 Sagittarii.				May 5	G	20 10 36.98	102 57 27.10
Aug. 22	CF	19 44 24.65	109 22 53.58	6	CF	...	26.51
23	G	24.50	55.39	July 11	JS	...	27.36
		19 44 24.58	109 22 54.49	26	JS	...	26.92
ϵ Pavonis.				27	CF	...	26.61
Apr. 7	G	19 45 2.09	...	Sept. 19	G	...	27.89
8	G	2.13	...	20	JS	...	28.00
9	G	2.01	...	Oct. 17	JS	...	27.88
10	G	2.04	163 15 28.18	30	IF	...	25.42
		19 45 2.07	163 15 28.18	Nov. 1	B	37.18	...
ϵ Pavonis S. P.				5	IF	37.00	27.12
Apr. 4	G	...	163 15 29.31	9	CF	37.18	26.39
8	G	19 45 2.19	...			20 10 37.09	102 57 27.02
9	G	1.91	...	β Aquilæ.			
10	G	1.97	...	May 5	G	19 48 43.91	83 56
11	G	2.54	...				
		19 45 2.15	163 15 29.31				

114 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β Capricorni.				μ Aquarii.			
Nov. 13	G	$\begin{smallmatrix} h & m & s \\ 20 & 13 & 28.96 \end{smallmatrix}$	$\begin{smallmatrix} 105^{\circ} & 12' & '' \end{smallmatrix}$	Oct. 17	JS	$\begin{smallmatrix} h & m & s \\ 20 & 45 & 25.44 \end{smallmatrix}$	$\begin{smallmatrix} 99^{\circ} & 29' & 0''.66 \end{smallmatrix}$
α Pavonis.				B Octantis.			
Oct. 30	IF	$\begin{smallmatrix} 20 & 15 & 1.41 \end{smallmatrix}$	$\begin{smallmatrix} 147 & 9 & 38.08 \end{smallmatrix}$	Apr. 30	G	$\begin{smallmatrix} 20 & 48 & 38.33 \end{smallmatrix}$	$\begin{smallmatrix} 179 & 27 & 34.16 \end{smallmatrix}$
Nov. 1	B	$\begin{smallmatrix} 1.80 \end{smallmatrix}$	...	May 1	G	$\begin{smallmatrix} 38.38 \end{smallmatrix}$	...
5	IF	$\begin{smallmatrix} 1.54 \end{smallmatrix}$	$\begin{smallmatrix} 37.91 \end{smallmatrix}$	10	G	$\begin{smallmatrix} 37.51 \end{smallmatrix}$	$\begin{smallmatrix} 31.30 \end{smallmatrix}$
6	B	$\begin{smallmatrix} 1.75 \end{smallmatrix}$	$\begin{smallmatrix} 38.11 \end{smallmatrix}$	13	G	$\begin{smallmatrix} 39.03 \end{smallmatrix}$	...
7	IF	$\begin{smallmatrix} 1.73 \end{smallmatrix}$	$\begin{smallmatrix} 38.03 \end{smallmatrix}$	14	G	$\begin{smallmatrix} 35.25 \end{smallmatrix}$	...
		$\begin{smallmatrix} 20 & 15 & 1.65 \end{smallmatrix}$	$\begin{smallmatrix} 147 & 9 & 38.03 \end{smallmatrix}$			$\begin{smallmatrix} 20 & 48 & 37.70 \end{smallmatrix}$	$\begin{smallmatrix} 179 & 27 & 32.73 \end{smallmatrix}$
ρ Capricorni.				B Octantis S.P.			
May 5	G	$\begin{smallmatrix} 20 & 21 & 12.88 \end{smallmatrix}$	$\begin{smallmatrix} 108 & 15 & 14.30 \end{smallmatrix}$	May 1	G	$\begin{smallmatrix} 20 & 48 & 38.42 \end{smallmatrix}$	...
6	CF	...	$\begin{smallmatrix} 14.13 \end{smallmatrix}$	9	G	...	$\begin{smallmatrix} 179 & 27 & 36.54 \end{smallmatrix}$
June 29	JS	$\begin{smallmatrix} 12.93 \end{smallmatrix}$	...	11	G	$\begin{smallmatrix} 37.54 \end{smallmatrix}$	...
July 9	G	$\begin{smallmatrix} 12.90 \end{smallmatrix}$	$\begin{smallmatrix} 15.19 \end{smallmatrix}$	13	G	$\begin{smallmatrix} 37.65 \end{smallmatrix}$	...
11	JS	...	$\begin{smallmatrix} 14.40 \end{smallmatrix}$	14	G	$\begin{smallmatrix} 38.23 \end{smallmatrix}$	...
26	JS	...	$\begin{smallmatrix} 14.22 \end{smallmatrix}$			$\begin{smallmatrix} 20 & 48 & 37.96 \end{smallmatrix}$	$\begin{smallmatrix} 179 & 27 & 36.54 \end{smallmatrix}$
27	CF	...	$\begin{smallmatrix} 14.65 \end{smallmatrix}$	γ Vulpeculae.			
Aug. 9	JS	$\begin{smallmatrix} 12.88 \end{smallmatrix}$	$\begin{smallmatrix} 15.04 \end{smallmatrix}$	Oct. 17	JS	$\begin{smallmatrix} 20 & 48 & 51.05 \end{smallmatrix}$	$\begin{smallmatrix} 62 & 27 \end{smallmatrix}$
Sept. 19	G	...	$\begin{smallmatrix} 16.30 \end{smallmatrix}$	ν Aquarii.			
		$\begin{smallmatrix} 20 & 21 & 12.90 \end{smallmatrix}$	$\begin{smallmatrix} 108 & 15 & 14.78 \end{smallmatrix}$	May 6	CF	$\begin{smallmatrix} 21 & 2 & 17.46 \end{smallmatrix}$	$\begin{smallmatrix} 101 & 54 & 45.12 \end{smallmatrix}$
ϵ Aquarii.				July 27	CF	$\begin{smallmatrix} 17.57 \end{smallmatrix}$	$\begin{smallmatrix} 42.69 \end{smallmatrix}$
Aug. 23	G	$\begin{smallmatrix} 20 & 40 & 25.24 \end{smallmatrix}$	$\begin{smallmatrix} 99 & 59 & 1.67 \end{smallmatrix}$	28	G	$\begin{smallmatrix} 17.67 \end{smallmatrix}$	$\begin{smallmatrix} 42.81 \end{smallmatrix}$
Oct. 17	JS	$\begin{smallmatrix} 25.27 \end{smallmatrix}$	$\begin{smallmatrix} 2.46 \end{smallmatrix}$	Sept. 20	JS	$\begin{smallmatrix} 17.62 \end{smallmatrix}$	$\begin{smallmatrix} 43.58 \end{smallmatrix}$
		$\begin{smallmatrix} 20 & 40 & 25.26 \end{smallmatrix}$	$\begin{smallmatrix} 99 & 59 & 2.07 \end{smallmatrix}$	21	G	$\begin{smallmatrix} 17.55 \end{smallmatrix}$	$\begin{smallmatrix} 43.38 \end{smallmatrix}$
						$\begin{smallmatrix} 21 & 2 & 17.57 \end{smallmatrix}$	$\begin{smallmatrix} 101 & 54 & 43.52 \end{smallmatrix}$

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ζ Cygni.				ξ Aquarii—continued.			
Oct. 24	B	^{h m s} 21 7 14.19	^{° ' "} ... "	Sept. 20	JS	^{h m s} 37.10	^{° ' "} 11.51
Nov. 1	B	14.26	60 19 15.44	21	G	37.02	11.86
		21 7 14.23	60 19 15.44	Oct. 19	G	37.03	11.07
						21 30 37.04	98 27 11.50
18 Aquarii.				ε Pegasi.			
May 6	CF	21 16 51.69	103 27 3.36	June 4	G	21 37 36.27	...
July 27	CF	51.87	3.30	Aug. 6	B	...	80 44 16.32
28	G	52.04	3.38	Nov. 1	B	36.17	...
		21 16 51.87	103 27 3.35	6	B	36.32	14.81
				12	B	...	15.01
β Aquarii.				22	B	...	15.59
June 4	G	21 24 30.16	...			21 37 36.25	80 44 15.43
Aug. 6	B	...	96 9(28.73)	λ Capricorni.			
25	JS	...	31.71	June 4	G	21 39 19.15	101 58 55.04
Nov. 1	B	30.15	30.67	16 Pegasi.			
5	IF	30.11	31.74	Aug. 6	B	21 46 58	64 42 15.93
6	B	30.24	30.83	α Aquarii.			
7	IF	30.30	30.96	June 4	G	21 58 54.02	...
		21 24 30.19	96 9 31.18	Sept. 14	CF	54.08	...
λ Octantis.				Nov. 5	IF	54.08	90 58 8.41
Oct. 30	IF	21 30 0	173 19 47.55	6	B	54.07	5.40
ξ Aquarii.				7	IF	54.02	7.54
June 4	G	21 30 37.01	98 27 11.40	16	OF	54.04	9.47
Aug. 25	JS	37.03	11.66			21 58 54.05	90 58 7.71

116 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Gruis.				ρ Aquarii.			
Aug. 6	B	^{h m s} 21 59 46.38	° ' "	July 28	G	^{h m s} 22 13 8.81	98° 29' 32.96"
Oct. 30	IF	46.43	137 36 30.34	Nov. 9	CF	9.05	33.75
Nov. 1	B	46.37	30.67			22 13 8.93	98 29 33.36
19	B	46.69	30.80	σ Aquarii.			
22	B	46.47	31.16	Sept. 21	G	22 23 33.22	101 21 44.03
26	B	46.74	28.12	22	CF	33.42	43.86
		21 59 46.51	137 36 30.22	Nov. 16	CF	33.29	45.55
C Octantis.						22 23 33.31	101 21 44.48
May 21	G	22 4 59.09	176 38 37.51	β Piscis Australis.			
22	G	59.05	38.72	Nov. 9	CF	22 23 52.77	123 1 53.06
		22 4 59.07	176 38 38 12	γ Aquarii.			
C Octantis S.P.				June 4	G	22 28 28.23	...
May 22	G	22 4 58.93	176 38 39.13	Aug. 9	JS	28.20	...
θ Aquarii.				Sept. 4	CF	28.21	...
June 4	G	22 9 45.75	...	14	CF	28.14	...
July 28	G	...	98 26 57.52	Nov. 2	G	28.23	...
Aug. 9	JS	45.62	...	5	IF	28.29	90 48 23.09
25	JS	...	57.04	6	B	28.33	21.36
Sept. 14	CF	45.76	56.45	7	IF	28.30	24.69
21	G	...	57.27	9	CF	28.26	25.06
22	CF	...	55.09	16	CF	28.26	...
Nov. 5	IF	45.79	55.34	23	IF	28.28	26.24
6	B	45.64	56.01			22 28 28.25	90 48 24.09
7	IF	45.70	55.64				
16	CF	45.70	57.38				
23	IF	45.71	57.29				
		22 9 45.71	98 26 56.50				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Aquarii.				78 Aquarii.			
June 4	G	$\begin{smallmatrix} h & m & s \\ 22 & 30 & 49^{\circ}00 \end{smallmatrix}$	$\begin{smallmatrix} 94^{\circ} & 55' & 6''92 \end{smallmatrix}$	Oct. 20	JS	$\begin{smallmatrix} h & m & s \\ 22 & 47 & 35^{\circ}53 \end{smallmatrix}$	$\begin{smallmatrix} 97^{\circ} & 54' & 56''75 \end{smallmatrix}$
5	JS	$\begin{smallmatrix} 48^{\circ}83 \\ 4^{\circ}32 \end{smallmatrix}$		Nov. 16	CF	$\begin{smallmatrix} 35^{\circ}45 \\ 57^{\circ}36 \end{smallmatrix}$	
		$\begin{smallmatrix} 22 & 30 & 48^{\circ}92 \end{smallmatrix}$	$\begin{smallmatrix} 94 & 55 & 5^{\circ}62 \end{smallmatrix}$			$\begin{smallmatrix} 22 & 47 & 35^{\circ}49 \end{smallmatrix}$	$\begin{smallmatrix} 97 & 54 & 57^{\circ}06 \end{smallmatrix}$
β Octantis.				α Piscis Australis.			
Nov. 2	G	$\begin{smallmatrix} 22 & 32 & 9 \end{smallmatrix}$	$\begin{smallmatrix} 172 & 4 & 54^{\circ}43 \end{smallmatrix}$	Jan. 6	G	$\begin{smallmatrix} 22 & 50 & 14^{\circ}42 \end{smallmatrix}$	...
ϵ Piscis Australis.				June 5	JS	...	$\begin{smallmatrix} 120 & 19 & 52^{\circ}27 \end{smallmatrix}$
Nov. 9	CF	$\begin{smallmatrix} 22 & 33 & 14^{\circ}30 \end{smallmatrix}$	$\begin{smallmatrix} 117 & 44 & 27^{\circ}12 \end{smallmatrix}$	Aug. 9	JS	$\begin{smallmatrix} 14^{\circ}49 \end{smallmatrix}$	...
ζ Pegasi.				Sept. 4	CF	$\begin{smallmatrix} 14^{\circ}34 \end{smallmatrix}$	$\begin{smallmatrix} 50^{\circ}09 \end{smallmatrix}$
Sept. 4	CF	$\begin{smallmatrix} 22 & 34 & 46^{\circ}78 \end{smallmatrix}$	$\begin{smallmatrix} 79 & 52 & 0^{\circ}80 \end{smallmatrix}$	13	JS	...	$\begin{smallmatrix} 53^{\circ}01 \end{smallmatrix}$
14	CF	$\begin{smallmatrix} 46^{\circ}86 \\ 22 & 34 & 46^{\circ}82 \end{smallmatrix}$	$\begin{smallmatrix} ... \\ 79 & 52 & 0^{\circ}80 \end{smallmatrix}$	14	CF	$\begin{smallmatrix} 14^{\circ}31 \end{smallmatrix}$	...
67 Aquarii.				22	CF	...	$\begin{smallmatrix} 52^{\circ}98 \end{smallmatrix}$
Aug. 25	JS	$\begin{smallmatrix} 22 & 36 & 14^{\circ}37 \end{smallmatrix}$	$\begin{smallmatrix} 97 & 39 & 48^{\circ}31 \end{smallmatrix}$	Oct. 30	IF	...	$\begin{smallmatrix} 52^{\circ}59 \end{smallmatrix}$
λ Aquarii.				Nov. 1	B	$\begin{smallmatrix} 14^{\circ}45 \end{smallmatrix}$	$\begin{smallmatrix} 50^{\circ}38 \end{smallmatrix}$
June 4	G	$\begin{smallmatrix} 22 & 45 & 37^{\circ}37 \end{smallmatrix}$	$\begin{smallmatrix} 98 & 17 & 29^{\circ}88 \end{smallmatrix}$	2	G	$\begin{smallmatrix} 14^{\circ}36 \end{smallmatrix}$	$\begin{smallmatrix} 52^{\circ}14 \end{smallmatrix}$
5	JS	$\begin{smallmatrix} 37^{\circ}34 \end{smallmatrix}$	$\begin{smallmatrix} 29^{\circ}01 \end{smallmatrix}$	5	IF	$\begin{smallmatrix} 14^{\circ}42 \end{smallmatrix}$	$\begin{smallmatrix} 53^{\circ}51 \end{smallmatrix}$
Aug. 25	JS	$\begin{smallmatrix} 37^{\circ}38 \\ 22 & 45 & 37^{\circ}36 \end{smallmatrix}$	$\begin{smallmatrix} 29^{\circ}44 \\ 98 & 17 & 29^{\circ}44 \end{smallmatrix}$	6	B	$\begin{smallmatrix} 14^{\circ}36 \end{smallmatrix}$	$\begin{smallmatrix} 51^{\circ}49 \end{smallmatrix}$
δ Aquarii.				7	IF	$\begin{smallmatrix} 14^{\circ}28 \end{smallmatrix}$	$\begin{smallmatrix} 52^{\circ}06 \end{smallmatrix}$
Nov. 17	JS	$\begin{smallmatrix} 22 & 54 & 26 \end{smallmatrix}$	$\begin{smallmatrix} 97 & 46 & 48^{\circ}04 \end{smallmatrix}$	9	CF	$\begin{smallmatrix} 14^{\circ}35 \end{smallmatrix}$	$\begin{smallmatrix} 52^{\circ}49 \end{smallmatrix}$

118 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Pegasi.				γ Piscium.			
June 4	G	$22^{\text{h}} 58^{\text{m}} 5^{\text{s}}.30$	$0^{\circ} \dots "$	Sept. 4	CF	$23^{\text{h}} 10^{\text{m}} 13^{\text{s}}.22$	$0^{\circ} \dots "$
Sept. 4	CF	$5^{\circ} 24'$	\dots	13	JS	\dots	$87^{\circ} 26' 58''.58$
Oct. 30	IF	\dots	$75^{\circ} 30' 53''.64$	14	OF	$13^{\circ} 23'$	\dots
Nov. 1	B	$5^{\circ} 36'$	$52^{\circ} 34'$	Nov. 5	IF	$13^{\circ} 25'$	$56^{\circ} 40'$
5	IF	$5^{\circ} 24'$	$53^{\circ} 72'$	6	B	$13^{\circ} 18'$	$56^{\circ} 02'$
6	B	$5^{\circ} 19'$	$51^{\circ} 69'$	7	IF	$13^{\circ} 22'$	$55^{\circ} 16'$
7	IF	$5^{\circ} 23'$	$54^{\circ} 44'$	16	CF	$13^{\circ} 15'$	\dots
9	CF	$5^{\circ} 33'$	$52^{\circ} 56'$			$23^{\text{h}} 10^{\text{m}} 13^{\text{s}}.21$	$87^{\circ} 26' 56''.54$
12	B	\dots	$53^{\circ} 52'$	γ Sculptoris.			
19	B	\dots	$55^{\circ} 25'$	Nov. 9	CF	$23^{\text{h}} 11^{\text{m}} 34^{\text{s}}.83$	$123^{\circ} 15' 39''.95$
22	B	\dots	$54^{\circ} 97'$	27	IF	$(35^{\circ} 00')$	$(38^{\circ} 04')$
23	IF	$5^{\circ} 33'$	$54^{\circ} 28'$	29	IF	$34^{\circ} 91'$	$42^{\circ} 60'$
27	IF	\dots	$(50^{\circ} 93')$			$23^{\text{h}} 11^{\text{m}} 34^{\text{s}}.87$	$123^{\circ} 15' 41''.28$
28	B	\dots	$52^{\circ} 39'$	96 Aquarii.			
29	IF	\dots	$53^{\circ} 11'$	Sept. 22	CF	$23^{\text{h}} 12^{\text{m}} 27^{\text{s}}.17$	$95^{\circ} 51' 18''.79$
		$22^{\text{h}} 58^{\text{m}} 5^{\text{s}}.28$	$75^{\circ} 30' 53''.49$	23	CF	$27^{\circ} 05'$	$21^{\circ} 82'$
τ Octantis.						$23^{\text{h}} 12^{\text{m}} 27^{\text{s}}.11$	$95^{\circ} 51' 20''.31$
June 4	G	$23^{\text{h}} 6^{\text{m}} 23^{\text{s}}.18$	$178^{\circ} 12' 56''.41$	τ Octantis S.P.			
Nov. 2	G	\dots	$58^{\circ} 29'$	June 4	G	$23^{\text{h}} 6^{\text{m}} 23^{\text{s}}.37$	$178^{\circ} 12' 61''.15$
		$23^{\text{h}} 6^{\text{m}} 23^{\text{s}}.18$	$178^{\circ} 12' 57''.35$	9	JS	\dots	$59^{\circ} 73'$
ϕ Aquarii.						$23^{\text{h}} 6^{\text{m}} 23^{\text{s}}.37$	$178^{\circ} 13' 0''.44$
Sept. 22	CF	$23^{\text{h}} 7^{\text{m}} 23^{\text{s}}.03$	$96^{\circ} 46' 13''.70$	π Piscium.			
23	CF	$22^{\circ} 90'$	$13^{\circ} 61'$	June 5	JS	\dots	$89^{\circ} 28' 38''.01$
		$23^{\text{h}} 7^{\text{m}} 22^{\text{s}}.97$	$96^{\circ} 46' 13''.66$	Aug. 9	JS	$23^{\text{h}} 20^{\text{m}} 3^{\text{s}}.83$	\dots
				Sept. 4	CF	$3^{\circ} 90'$	\dots
				14	CF	$3^{\circ} 84'$	\dots
				Nov. 2	G	$3^{\circ} 87'$	\dots
				7	IF	$3^{\circ} 82'$	$37^{\circ} 61'$
				16	CF	$3^{\circ} 87'$	\dots
				17	JS	\dots	$39^{\circ} 44'$

Data.	Observer.	R. A.	N. P. D.	Data.	Observer.	R. A.	N. P. D.
κ Piscium—continued.				δ Sculptoris.			
27	IF	^{h m s} ...	^{° ' "} (35° 62')	Aug. 9	JS	^{h m s} 23 41 56° 57	^{° ' "}
29	IF	...	38° 96	Nov. 9	OF	56° 55	118 52 14° 94
		23 20 3° 86	89 28 38° 51	16	CF	56° 51	...
				23	IF	56° 47	15° 56
						23 41 56° 53	118 52 15° 25
B. A. C. 8186.							
Nov. 9	CF	23 23 20° 01	132 43 28° 60				
				21 Piscium.			
λ Piscium.				Nov. 17	JS	23 42 35° 77	89 40 3° 55
				18	CF	35° 85	3° 09
Oct. 20	JS	23 35 12° 81	88 57 24° 75			23 42 35° 81	89 40 3° 32
21	JS	12° 66	25° 88				
		23 35 12° 74	88 57 25° 32				
B. A. C. 8254.				γ^1 Octantis.			
Nov. 9	CF	23 36 50° 31	135 49 36° 44	Oct. 30	IF	...	172 45 48° 46
16	CF	49° 96	35° 14	Nov. 2	G	...	47° 83
17	JS	50° 02	35° 99			23 44 8	172 45 48° 15
		23 36 50° 10	135 49 35° 86				
				22 Piscium.			
20 Piscium.				Sept. 23	CF	23 45 6° 39	87 48 50° 15
June 5	JS	23 41 3° 16	93 30 21° 78	24	JS	6° 34	51° 04
Oct. 20	JS	3° 37	21° 30			23 45 6° 37	87 48 50° 60
21	JS	3° 26	21° 85				
		23 41 3° 26	93 30 21° 64				

Mean R.A. and N.P.D. of Stars.

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ^d Octantis.				α^7 Piscium.			
Nov. 2	G	$\begin{smallmatrix} h & m & s \\ 23 & 50 & 6 \end{smallmatrix}$	$\begin{smallmatrix} 172^{\circ} & 54' & 53'' & 41 \end{smallmatrix}$	Nov. 17 18	$\begin{smallmatrix} JS \\ CF \end{smallmatrix}$	$\begin{smallmatrix} h & m & s \\ 23 & 51 & 48 \cdot 77 \\ & & 48 \cdot 81 \end{smallmatrix}$	$\begin{smallmatrix} 94^{\circ} & 17' & 57'' & 40 \\ & & & 56 \cdot 58 \end{smallmatrix}$
η Toucani.				α^6 Piscium.			
Nov. 9	CF	$23 \ 50 \ 32 \cdot 23$	$155 \ 2 \ 32 \cdot 54$	Dec. 4	CF	$23 \ 52 \ 25 \cdot 82$	...
27	IF	$(32 \cdot 14)$	$(29 \cdot 06)$	5	IF	...	$83 \ 52 \ 41 \cdot 24$
29	IF	$31 \cdot 92$	$29 \cdot 96$			$23 \ 52 \ 25 \cdot 82$	$83 \ 52 \ 41 \cdot 24$
		$23 \ 50 \ 32 \cdot 08$	$155 \ 2 \ 31 \cdot 25$				

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

CATALOGUE

OF

MEAN RIGHT ASCENSIONS

AND

MEAN DECLINATIONS,

FOR

1866⁰,

OF

STARS OBSERVED IN THE YEAR 1866.

122 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866'o.	Annual Variation 1865'o.	Fraction of Year.	No. of Obs.	Mean Dec. 1866'o.	Annual Variation 1865'o.
1	α Andromedæ ...	2.1	0.00	1	^h 0 ^m 128.00	^s +3.086	0.00	1	+28° 21' 0".74	+19".90
2	γ Pegasi	3.0	0.00	2	0 6 20.31	+3.081	0.00	2	+14 26 20.52	+20.03
3	B.A.C. 45	6.7	0.89	3	0 9 45.30	+2.833	0.89	3	-76 39 23.60	+20.03
4	ϵ Octantis	7.2	0.47	4	0 13 13.36	-1.878	0.47	3	-89 6 30.51	+20.00
5	ϵ Octantis S.P. ....	...	0.47	4	10.98	...	0.48	6	30.83	...
6	δ Piscium	5.6	0.80	2	0 13 42.32	+3.081	0.80	2	+ 7 26 46.29	+20.07
7	44 Piscium	5.8	0.73	2	0 18 32.15	+3.075	0.73	2	+ 1 11 51.44	+19.99
8	β Hydri	2.9	0.00	14	0 18 39.41	+3.284	0.00	19	-78 0 31.86	+20.25
9	β Hydri S.P. ....	...	0.00	10	39.46	...	...	...	...	...
10	12 Ceti	6.2	0.00	4	0 23 12.10	+3.059	0.00	3	- 4 41 52.15	+19.94
11	β^1 Toucani	4.5	0.94	1	0 25 23.45	+2.773	0.94	1	-63 41 48.49	+19.93
12	β^2 Toucani	5.1	0.93	2	0 26 36.70	+2.772	0.93	2	-63 46 10.93	+19.93
13	B.A.C. 143	5.4	0.91	1	0 28 4.61	+2.872	0.91	1	-53 6 48.75	+19.92
14	B.A.C. 176	5.7	0.92	3	0 34 8.13	+2.726	0.92	3	-60 12 26.75	+19.83
15	β Ceti	2.1	0.00	15	0 36 51.71	+3.012	0.00	12	-18 43 20.40	+19.82
16	δ Piscium	4.6	0.82	5	0 41 44.02	+3.108	0.82	5	+ 6 51 20.13	+19.72
17	λ Hydri	5.0	0.94	1	0 43 55.83	+2.102	0.94	2	-75 39 11.09	+19.69
18	ρ Phœnicis	5.0	0.94	2	0 44 34.67	+2.745	0.94	2	-51 43 5.86	+19.69
19	λ^2 Toucani	5.4	0.92	3	0 49 59.37	+2.256	0.92	3	-70 15 7.60	+19.53
20	70 Piscium	8.0	0.91	1	0 55 8.75	+3.110	0.91	1	+ 7 13 6.14	+19.55
21	ϵ Piscium	4.5	0.00	8	0 55 59.51	+3.106	0.00	12	+ 7 10 5.90	+19.49
22	ω Phœnicis	5.9	0.93	3	0 56 21.40	+2.560	0.93	3	-57 43 28.24	+19.45
23	ι Toucani	5.2	0.91	3	1 1 59.75	+2.393	0.91	3	-62 29 29.57	+19.32
24	ζ^1 Piscium	5.2	0.96	1	1 6 44.07	+3.130	0.96	1	+ 6 51 57.53	+19.15
25	ζ^2 Piscium	7.7	0.96	1	1 6 45.54	+3.130	0.96	1	+ 6 52 8.49	+19.15
26	ν Phœnicis	4.9	0.94	1	1 9 8.24	+2.724	0.94	1	-46 14 52.85	+19.30
27	κ Toucani (and star)	5.5	0.91	3	1 11 13.17	+2.053	0.91	3	-69 35 17.94	+19.17
28	B.A.C. 398	6.2	0.93	1	1 12 24.19	+2.085	0.93	3	-67 6 19.46	+19.06
29	θ^1 Ceti	3.8	0.00	12	1 17 19.61	+2.996	0.00	10	- 8 52 31.56	+18.71
30	B.A.C. 422	6.9	...	...	1 17 19	+2.026	0.93	1	-67 5 9.77	+18.93

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
31	B.A.C. 426.....	5.3	0.91	1	^{h m s} 1 18 44.74	+2.665	0.91	1	—42 11 26.26	+18.88
32	η Piscium.....	3.7	0.00	8	1 24 19.05	+3.198	0.00	5	+14 39 15.67	+18.71
33	δ Phœnicis	3.9	0.92	4	1 25 40.18	+2.506	0.92	4	—49 46 11.02	+18.82
34	α Eridani	0.5	0.00	7	1 32 43.20	+2.236	0.00	9	—57 55 5.21	+18.43
35	ν Piscium	4.7	0.00	12	1 34 27.68	+3.113	0.00	11	+ 4 48 30.75	+18.33
36	ο Piscium	4.4	0.56	6	1 38 19.27	+3.161	0.56	6	+ 8 28 56.17	+18.25
37	ε Sculptoris	5.3	0.91	2	1 39 22.17	+2.810	0.91	2	—25 43 23.03	+18.13
38	q ² Eridani	5.1	0.93	3	1 40 59.62	+2.290	0.93	3	—54 11 44.80	+18.19
39	β Arietis	2.8	0.00	3	1 47 14.57	+3.295	0.00	4	+20 9 7.47	+17.79
40	B.A.C. 582	4.1	0.96	1	1 48 16.41	+2.406	0.96	1	—46 57 35.54	+17.72
41	φ Phœnicis	5.0	0.93	2	1 48 48.33	+2.499	0.93	2	—43 9 18.96	+17.84
42	B.A.O. 589	Var.	0.92	2	1 49 11.67	+1.507	0.92	2	—68 36 18.18	+17.83
43	π ² Hydri.....	4.7	0.96	3	1 51 32.72	+1.512	0.96	3	—68 18 24.79	+17.78
44	B.A.C. 635	6.3	0.93	4	1 56 10.28	+1.565	0.93	4	—66 42 59.44	+17.53
45	α Arietis.....	2.0	0.00	9	1 59 37.49	+3.367	0.00	6	+22 49 38.87	+17.24
46	ξ ¹ Ceti.....	4.5	0.84	5	2 5 54.07	+3.169	0.84	5	+ 8 13 1.69	+17.07
47	67 Ceti	5.5	0.00	12	2 10 18.10	+2.986	0.00	7	— 7 2 26.54	+16.77
48	δ Hydri.....	4.2	0.94	1	2 19 22.33	+1.042	0.94	1	—69.16 11.74	+16.46
49	ξ ² Ceti.....	4.4	0.00	9	2 21 2.29	+3.180	0.00	9	+ 7 51 29.90	+16.36
50	B.A.C. 787	7.3	0.94	1	2 27 17.29	+2.229	0.94	1	—46 27 46.80	+16.16
51	η Horologii.....	5.1	0.95	1	2 32 59.41	+1.971	0.93	2	—53 7 26.93	+15.71
52	γ Ceti.....	3.6	0.00	8	2 36 21.58	+3.101	0.00	4	+ 2 40 10.13	+15.35
53	ε Hydri.	4.2	0.94	1	2 37 32.07	+0.894	0.94	1	—68 50 31.21	+15.50
54	μ Ceti	4.4	0.87	6	2 37 42.17	+3.234	0.71	6	+ 9 32 48.35	+15.45
55	B.A.C. 864	7.0	0.94	1	2 40 30.79	+2.258	0.94	2	—43 24. 4.15	+15.34
56	ζ Hydri.....	4.8	...	2	43 29	+0.893	0.94	1	—68 10 50.79	+15.17
57	σ Arietis.....	5.5	0.89	1	2 44 6.01	+3.300	0.89	1	+14 31 41.93	+15.09
58	λ Ceti	4.6	0.74	1	2 52 32.29	+3.214	0.74	1	+ 8 22.17.64	+14.65
59	α Ceti	2.7	0.00	7	2 55 16.66	+3.127	0.00	3	+ 3 33 44.88	+14.36
60	B.A.C. 956	5.0	0.94	3	2 56 16.26	+1.124	0.94	3	—64 36 18.05	+14.37

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
61	θ Hydri	5.4	0.97	2	^{h m s} 3 1 59.97	+0.063	0.97	2	-72° 25' 35".51	+14".05
62	δ Arietis	4.5	0.00	4	3 3 58.30	+3.417	0.00	4	+19 13 5.27	+13.94
63	α Fornacis	3.8	0.93	3	3 6 22.77	+2.546	0.93	3	-29 30 59.39	+14.42
64	B.A.C. 1038.....	5.7	0.97	1	3 12 11.36	-2.293	0.97	2	-79 29 49.52	+13.40
65	ι Hydri	5.5	0.87	1	3 19 21.76	-1.653	0.87	1	-77 52 34.45	+12.99
66	f Tauri	4.3	0.89	2	3 23 28.79	+3.306	0.89	2	+12 28 32.35	+12.66
67	B.A.C. 1109	6.7	0.92	2	3 29 11.29	+2.403	0.87	1	-32 19 25.96	+12.27
68	η Tauri.....	3.0	0.00	4	3 39 31.41	+3.551	0.00	3	+23 41 19.06	+11.48
69	ϵ Tauri.....	5.1	0.66	3	3 40 55.61	+3.280	0.66	3	+10 43 43.57	+11.39
70	B.A.C. 1197.....	3.8	0.92	2	3 42 31.78	+0.726	0.92	2	-65 13 44.06	+11.37
71	τ^8 Eridani	4.7	0.99	1	3 48 0.44	+2.550	0.99	1	-25 0 39.36	+10.92
72	ν^8 Eridani	5.1	0.98	1	3 48 32.65	+2.282	0.98	1	-35 7 47.48	+10.88
73	γ Hydri.....	3.1	0.22	2	3 49 20.53	-1.021	0.21	1	-74 38 55.83	+10.92
74	γ Hydri S.P. ....	...	0.22	2	20.62	...	0.23	1	56.45	...
75	γ^1 Eridani	3.1	0.00	11	3 51 46.71	+2.794	0.00	11	-13 53 29.07	+10.53
76	λ Tauri.....	Var.	0.81	1	3 53 15.49	+3.316	0.81	1	+12 6 34.97	+10.55
77	σ^1 Eridani	4.1	0.00	12	4 5 19.55	+2.921	0.00	10	-7 11 19.76	+9.70
78	γ Tauri.....	3.9	0.54	3	4 12 10.25	+3.407	0.54	3	+15 18 6.82	+9.07
79	ν^4 Eridani.....	3.8	0.87	1	4 12 49.59	+2.266	0.87	1	-34 7 38.10	+9.04
80	δ^1 Tauri.....	4.0	0.84	3	4 15 12.59	+3.450	0.84	3	+17 13 33.25	+8.84
81	θ Reticuli	6.1	0.98	1	4 16 10.65	+0.652	0.98	1	-63 34 51.50	+8.78
82	η Reticuli	5.2	0.92	1	4 20 26.95	+0.640	0.92	1	-63 42 16.26	+8.58
83	ϵ Tauri.....	3.7	0.00	16	4 20 47.73	+3.492	0.00	18	+18 52 51.05	+8.38
84	α Tauri.....	1.0	0.00	14	4 28 14.07	+3.435	0.00	17	+16 14 14.37	+7.64
85	α Doradus	3.5	0.89	2	4 31 6.24	+1.287	0.89	2	-55 19 22.18	+7.58
86	B.A.C. 1454.....	5.8	0.67	2	4 32 58.00	-5.634	0.67	1	-81 52 46.59	+7.56
87	B.A.C. 1454 S.P. ....	...	0.67	2	57.90	...	0.67	1	46.78	...
88	λ Pictoris	5.3	0.89	2	4 39 20.66	+1.536	0.89	2	-50 44 5.02	+6.91
89	ι Orionis.....	4.7	0.74	1	4 56 54.85	+3.424	0.74	1	+15 12 54.78	+5.43
90	B.A.C. 1587	5.2	0.67	1	4 59 3.65	-1.791	0.67	1	-75 8 28.32	+5.27

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
91	B.A.C. 1587 S.P..	...	0.67	1	^{h m s} 4 59 3.48	—1.791	...	...	... ' ...	...
92	ε Leporis	3.3	0.00	1	4 59 47.34	+2.536	...	...	—22 33	+ 5.14
93	η ² Pictoris	4.9	0.90	3	5 1 30.04	+1.543	0.90	3	—49 45 39.17	+ 5.06
94	15 Orionis	4.8	0.74	1	5 2 1.85	+3.428	0.74	1	+15 25 25.70	+ 5.03
95	β Orionis	0.3	0.00	12	5 8 5.87	+2.880	0.00	20	— 8 21 31.36	+ 4.49
96	β Orionis.....R	...	...	...	...	...	0.00	10	33.83	...
97	θ Doradus	4.8	0.91	4	5 13 52.23	—0.065	0.90	3	—67 20 9.78	+ 4.05
98	β Tauri	1.9	0.00	7	5 17 49.36	+3.787	0.00	3	+28 29 29.32	+ 3.47
99	115 Tauri	5.4	0.89	1	5 19 21.15	+3.494	0.89	1	+17 50 36.83	+ 3.53
100	θ ² Pictoris	6.3	0.92	1	5 21 43.96	+1.359	0.92	2	—52 26 4.06	+ 3.33
101	119 Tauri	4.6	0.15	1	5 24 21.57	+3.517	0.15	1	+18 29 29.95	+ 3.12
102	δ Orionis	2.4	0.00	12	5 25 9.72	+3.064	0.00	1	— 0 24 3.74	+ 3.00
103	α Leporis	2.7	0.00	6	5 26 49.23	+2.646	...	...	—17 55	+ 2.90
104	B.A.C. 1756	5.3	0.87	1	5 28 20.93	+2.015	0.87	1	—38 36 30.73	+ 2.76
105	ε Orionis	1.8	0.00	8	5 29 24.88	+3.041	...	...	— 1 17	+ 2.66
106	ζ Tauri ..	3.0	0.51	6	5 29 38.32	+3.586	0.60	5	+21 3 29.05	+ 2.63
107	α Columbe	2.7	0.00	35	5 34 47.81	+2.178	0.00	10	—34 8 48.99	+ 2.20
108	B.A.C. 1855	5.1	0.92	2	5 42 44.87	+1.661	0.93	3	—46 38 51.97	+ 1.51
109	χ ¹ Orionis	4.7	0.92	3	5 46 27.03	+3.552	0.92	3	+20 14 53.35	+ 1.09
110	B.A.C. 1890	4.8	0.93	1	5 47 51.62	+1.355	0.93	1	—52 8 25.39	+ 1.06
111	α Orionis	Var.	0.00	10	5 47 55.06	+3.246	0.00	18	+ 7 22 45.75	+ 1.06
112	α Orionis	R	...	...	...	...	0.00	12	43.38	...
113	λ Columbe	5.0	...	...	5 48 15	+2.177	0.95	1	—33 49 57.60	+ 1.03
114	ε Doradus	5.0	0.92	1	5 50 2.53	—0.065	0.93	2	—66 56 3.56	+ 0.87
115	ν Orionis	4.4	0.00	2	5 59 55.31	+3.426	0.00	2	+14 46.53.16	— 0.01
116	μ Geminorum	3.2	0.00	3	6 14 51.17	+3.632	0.00	6	+22 34 45.43	— 1.42
117	α Argus	—1.0	0.00	11	6 20 58.67	+1.330	0.00	23	—52 37 24.03	— 1.83
118	α Argus	R	...	...	...	...	0.00	13	—52 37 26.37	...
119	γ Geminorum ..	2.0	0.00	2	6 29 58.08	+3.466	0.00	6	+16 30 37.83	— 2.57
120	α Canis Majoris ..	—1.4	0.00	15	6 39 14.45	+2.645	0.00	35	—16 32 4.62	— 4.64

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°o.	Annual Variation 1865°o.
121	α Canis Majoris R	...	...	...	h m s 6 39 14	+2°645	0°00	20	16° 32' 6"43	- 4"64
122	B.A.C. 2252..	4°9'0"91	1	6	45 59°93	+2°182	0°93	2	34 12 39°03	- 4°00
123	ϵ Canis Majoris...	1°5'0"00	12	6	53 21°55	+2°358	0°00	20	28 47 28°96	- 4°64
124	ϵ Canis Majoris R	...	...	...	...	...	0°00	7	33°36	...
125	ι Puppis.....	5°2'0"93	1	6	53 30°90	+2°197	0°93	2	33 55 53°72	- 4°64
126	ζ Geminorum	Var. 0°46	5	6	56 9°62	+3°566	0°46	5	+20 45 49°99	- 4°88
127	γ Canis Majoris...	4°1'0"00	7	6	57 41°72	+2°716	0°00	5	-15 26 14°31	- 4°99
128	C Puppis	5°3'0"92	1	6	59 48°10	+1°904	0°92	1	-42 8 25°08	- 5°17
129	I Puppis	4°5'0"96	2	7	8 44°47	+1°709	0°96	2	-46 32 10°83	- 5°84
130	27 Canis Majoris.	4°5'0"91	3	7	8 47°51	+2°443	0°91	3	-26 7 24°10	- 5°88
131	λ Geminorum	3°6'0"53	4	7	10 23°50	+3°457	0°67	3	+16 46 46°26	- 6°06
132	δ Geminorum.....	3°7'0"00	1	7	12 7°09	+3°592	0°00	3	+22 13 34°49	- 6°22
133	30 Canis Majoris.	4°3'0"96	3	7	13 9°15	+2°492	0°96	3	-24 42 41°80	- 6°28
134	δ Volantis ..	3°9'0"93	1	7	16 53°26	-0°009	0°93	1	-67 42 42°27	- 6°62
135	6 Canis Minoris ..	5°0'0"30	1	7	22 20°27	+3°347	0°30	1	+12 16 51°96	- 7°05
136	B.A.C. 2478 ..	6°1'0"91	3	7	23 54°53	+2°317	0°91	3	-31 10 51°99	- 7°18
137	B.A.C. 2484	4°7'0"94	1	7	25 30°14	+2°334	0°94	1	-30 40 54°54	- 7°31
138	68 Geminorum....	5°0'0"63	3	7	25 57°53	+3°432	0°63	3	+16 6 44°55	- 7°30
139	α^2 Geminorum....	2°20'0"00	2	7	26 2°42	+3°843	0°00	2	+32 10 43°82	- 7°43
140	g Puppis.....	7°0'0"97	2	7	28 57°57	+2°473	0°97	2	-25 49 28°54	- 7°59
141	f Geminorum ...	5°2'0"30	1	7	31 44°19	+3°476	0°30	1	+17 58 37°13	- 7°80
142	α Canis Minoris...	0°5'0"00	11	7	32 17°19	+3°145	0°00	2	+ 5 33 57°18	- 8°89
143	β Geminorum	1°1'0"00	1	7	37 6°74	+3°682	0°00	1	+28 20 53°93	- 8°30
144	3 Puppis	4°2'0"96	1	7	38 25°79	+2°407	0°96	1	-28 38 9°55	- 8°36
145	W Puppis ...	5°1'0"97	1	7	39 8°21	+2°032	0°97	1	-40 36 28°39	- 8°40
146	P Puppis	4°1'0"97	2	7	45 9°52	+1°827	0°97	2	-46 2 12°66	- 8°90
147	1 Cancri	5°9'0"49	3	7	49 22°87	+3°418	0°49	4	+16 8 44°81	- 9°21
148	3 Cancri	6°0'0"23	2	7	53 6°39	+3°445	0°23	2	+17 40 24°95	- 9°49
149	α^2 Canori	7°0'0"97	1	7	53 38°68	+3°630	0°97	3	+25 27 20°24	- 9°53
150	5 Cancri	6°4'0"65	3	7	53 51°85	+3°428	0°49	4	+16 49 20°11	- 9°52

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
151	8 Cancri	5.1	0.23	2	h m s 7 57 36.52	+ 3.352	0.23	2	+13 29 53.35	— 9.89
152	μ^1 Cancri	6.2	0.90	1	7 58 21.99	+ 3.563	0.93	9	+23 0 56.21	— 9.90
153	ζ Cancri	5.0	0.65	3	8 4 31.56	+ 3.456	0.65	3	+18 2 58.64	—10.47
154	λ Cancri	5.7	...	...	8 12 34	+ 3.579	0.96	2	+24 26 31.06	—11.00
155	α^2 Cancri	5.9	...	...	8 15 41	+ 3.448	0.15	1	+18 45 37.04	—11.19
156	Δ Octantis	7.8	0.30	1	8 16 30.87	—38.365	0.30	1	—88 28 31.48	—11.24
157	Δ Octantis S.P. ....	...	0.30	2	30.92	...	0.30	2	32.32	...
158	ν^1 Cancri	6.3	...	...	8 18 41	+ 3.579	0.94	3	+24 58 21.02	—11.49
159	29 Cancri	5.9	0.23	3	8 21 8.60	+ 3.358	0.23	3	+14 39 8.27	—11.65
160	η Cancri	5.5	0.00	1	8 24 57.42	+ 3.479	0.00	5	+20 53 40.06	—11.91
161	Δ^1 Cancri	5.6	0.20	6	8 35 49.18	+ 3.314	0.20	6	+13 9 33.80	—12.61
162	ϵ Hydrae	3.6	...	...	8 39 41	+ 3.184	0.00	1	+ 6 54 27.82	—12.91
163	α Cancri	4.3	0.28	7	8 51 9.39	+ 3.291	0.28	7	+12 22 28.80	—13.65
164	κ Cancri	5.0	0.42	6	9 0 29.24	+ 3.256	0.42	6	+11 12 20.93	—14.22
165	83 Cancri	6.6	0.00	1	9 11 29.97	+ 3.356	...	...	+18 16	—15.04
166	ι Argus	2.2	0.00	7	9 13 30.06	+ 1.602	0.00	6	—58 42 49.37	—14.92
167	ϵ Hydrae	2.0	0.00	3	9 21 0.21	+ 2.949	0.00	9	— 8 4 45.19	—15.39
168	δ Leonis	5.4	0.15	3	9 24 46.38	+ 3.226	0.15	3	+10 18 18.69	—15.67
169	σ Leonis	3.8	0.34	6	9 33 59.83	+ 3.226	0.30	7	+10 30 2.08	—16.17
170	ϵ Leonis	3.1	0.00	1	9 38 14.45	+ 3.420	0.00	1	+24 23 23.81	—16.36
171	18 Leonis	6.1	0.23	2	9 39 10.09	+ 3.240	0.23	2	+12 25 33.68	—16.36
172	π Leonis	5.0	0.00	1	9 53 7.90	+ 3.177	0.00	4	+ 8 41 9.39	—17.09
173	ϵ Leonis	1.4	0.00	1	10 1 13.89	+ 3.203	0.00	23	+12 37 15.88	—17.41
174	γ^1 Leonis	2.4	0.00	6	10 12 34.88	+ 3.317	0.00	3	+20 31 6.35	—18.04
175	44 Leonis	6.2	0.24	2	10 18 11.17	+ 3.167	0.24	2	+ 9 27 56.38	—18.11
176	45 Leonis	5.9	0.31	2	10 20 34.26	+ 3.177	0.31	2	+10 26 42.28	—18.21
177	ρ Leonis	4.0	...	...	10 25 45	+ 3.166	0.00	4	+ 9 59 43.66	—18.41
178	34 Sextantis	7.7	0.01	2	10 35 42.34	+ 3.104	0.01	2	+ 4 16 57.52	—18.72
179	η Argus	Var.	0.00	7	10 39 52.34	+ 2.308	0.00	6	+58 58 49.42	—18.75
180	ι Leonis	5.3	0.00	1	10 42 12.76	+ 3.158	0.00	1	+11 15 13.05	—18.93

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
181	δ^1 Chamaeleontis S.P.	5.5	...	...	h m s 10 43 58	+ 0.663	0.84	1	—79° 45' 45" 79	—18.96
182	δ^2 Chamaeleontis S.P.	4.6	...	...	10 44 30	+ 0.641	0.84	1	—79 50 2.02	—18.98
183	d Leonis	5.0	0.26	3	10 53 38.42	+ 3.103	0.20	4	+ 4 20 10.69	—19.27
184	e Leonis	5.1	0.16	1	10 53 48.03	+ 3.118	0.16	1	+ 6 49 15.24	—19.26
185	χ Leonis	4.7	...	...	10 58 6	+ 3.098	0.00	3	+ 8 3 36.57	—19.40
186	η Octantis S.P. ...	6.2	...	...	11 0 10	— 0.193	0.84	1	—83 52 22.93	—19.37
187	γ^b Leonis	5.5	0.31	1	11 6 53.94	+ 3.086	0.31	1	+ 0 39 32.73	—19.57
188	δ Leonis	2.8	0.00	1	11 6 58.66	+ 3.203	...	...	+21 15	—19.66
189	θ Leonis	4.5	0.24	2	11 9 50.91	+ 3.053	0.24	2	— 2 55 9.49	—19.62
190	δ Hydrae	3.9	0.00	2	11 12 38.53	+ 2.995	0.00	4	—14 3 12.62	—19.45
191	σ Leonis	4.1	0.31	1	11 14 13.51	+ 3.098	0.31	1	+ 6 45 48.08	—19.67
192	e Leonis	5.1	0.26	3	11 23 28.12	+ 3.063	0.26	3	— 2 15 51.52	—19.82
193	Lacaille 4768.....	7.1	0.06	4	11 24 27.49	+ 2.891	0.06	4	—41 11 13.90	—19.82
194	ν Leonis	4.5	0.00	2	11 30 5.31	+ 3.069	0.00	5	— 0 5 2.30	—19.86
195	β Leonis	2.2	0.00	1	11 42 13.40	+ 3.065	0.00	1	+15 19 16.51	—20.10
196	*	9.5	0.06	4	11 42 14.99	+ 2.976	0.06	4	—42 44 36.48	—20.00
197	β Virginis	3.7	0.16	2	11 43 42.96	+ 3.128	0.16	2	+ 2 31 12.77	—20.29
198	*	8	0.08	4	11 59 52.41	+ 3.072	0.08	4	—43 45 21.18	—20.06
199	*	9.5	0.17	4	12 0 49.86	+ 3.077	0.17	4	—43 59 12.95	—20.06
200	ϵ Corvi	3.1	0.00	5	12 3 14.22	+ 3.075	0.00	1	—21 52 28.58	—20.05
201	ι_3 Virginis	6.3	0.37	1	12 11 48.22	+ 3.072	...	...	— 0 3	—20.06
202	η Virginis	4.1	0.00	5	12 13 3.11	+ 3.065	0.00	6	+ 0 4 42.08	—20.06
203	O. Z. XII. 1167..	9	0.08	4	12 18 16.33	+ 3.178	0.08	4	—44 52 55.07	—19.99
204	β Corvi	2.8	0.00	6	12 27 21.17	+ 3.131	0.00	1	—22 39 18.41	—19.98
205	Lacaille 5235.....	6.6	0.47	3	12 31 14.59	+13.940	0.49	5	—89 3 46.84	—19.88
206	Lacaille 5235 S.P. ...	...	0.47	3	14.58	...	0.47	2	48.64	...
207	γ Virginis (1st star)	3.6	0.00	4	12 34 52.30	+ 3.037	0.00	3	— 0 42 46.64	—19.87
208	γ Virginis (Mean)	2.8	0.00	1	12 34 52.25	+ 3.037	0.00	1	— 0 42 50.79	—19.87
209	*	10	0.10	6	12 36 38.84	+ 3.290	0.11	5	—45 43 3.14	—19.80
210	ι Octantis S.P. ...	5.4	...	...	12 41 13	+ 5.502	0.84	1	—84 23 41.80	—19.81

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
		^s			^{h m s}	^s				
211	*.....	9	0 ¹³	4	12 53 50 ⁶³	+ 3 ³⁹⁷	0 ¹¹	5	—46° 14' 48 ⁹⁰	—19 ⁵⁰
212	48 Virginis	6 ⁶	0 ³²	3	12 57 0 ²⁵	+ 3 ⁰⁸⁶	0 ³²	3	—2 56 27 ⁷³	—19 ⁴⁶
213	θ Virginis	4 ⁴	0 ⁰⁰	3	13 3 0 ⁸⁴	+ 3 ⁰⁹⁹	0 ⁰⁰	5	—4 49 21 ⁰¹	—19 ³⁴
214	*... ..	10	0 ¹³	4	13 9 2 ⁶⁷	+ 3 ⁴⁹²	0 ¹³	4	—46 39 4 ⁷⁵	—19 ¹⁵
215	α Virginis	1 ²	0 ⁰⁰	5	13 18 8 ²¹	+ 3 ¹⁵⁰	0 ⁰⁰	7	—10 27 38 ³²	—18 ⁹⁴
216	*.....	10	0 ¹⁵	4	13 25 23 ⁶⁶	+ 3 ⁵⁹¹	0 ¹⁵	4	—46 50 42 ⁶⁸	—18 ⁶⁸
217	λ Virginis	5 ⁵	0 ⁴⁰	7	13 25 54 ⁸⁰	+ 3 ¹⁵²	0 ⁴³	6	—9 28 23 ³⁹	—18 ⁷⁰
218	*.....	9 ⁵	0 ²²	4	13 26 52 ¹⁸	+ 3 ⁶⁰¹	0 ²²	5	—46 54 49 ⁴⁵	—18 ⁶³
219	ζ Virginis	3 ⁵	0 ⁰⁰	1	13 27 52 ⁰⁶	+ 3 ⁰⁵²	0 ⁰⁰	2	+ 0 5 25 ²³	—18 ⁵⁴
220	η Virginis	5 ³	0 ⁴⁰	3	13 34 34 ⁹³	+ 3 ¹⁴²	0 ⁴⁰	3	—8 1 31 ¹⁴	—18 ³⁶
221	η Boötis	2 ⁹	0 ⁰⁰	1	13 48 18 ²²	+ 2 ⁸⁵⁸	0 ⁰⁰	1	+19 4 15 ⁴⁴	—18 ²¹
222	τ Virginis	4 ⁴	0 ⁰⁰	1	13 54 49 ⁷⁰	+ 3 ⁰⁴⁷	...	...	+ 2 12	—17 ⁶⁶
223	94 Virginis	6 ⁸	0 ⁴⁰	2	13 59 12 ²⁸	+ 3 ¹⁶⁸	0 ⁴⁰	2	—8 15 2 ³⁷	—17 ³⁹
224	κ Virginis	4 ³	0 ²⁹	5	14 5 45 ⁰¹	+ 3 ¹⁹⁷	0 ³⁴	7	—9 38 53 ³²	—17 ¹⁰
225	*.....	9	0 ¹⁵	4	14 7 9 ³⁸	+ 3 ⁸²²	0 ¹⁵	4	—46 48 35 ⁰⁵	—17 ⁰⁵
226	*.....	10	0 ²²	4	14 8 8 ⁰⁹	+ 3 ⁸³⁰	0 ²²	5	—46 55 32 ¹⁰	—17 ⁰⁰
227	α Boötis	0 ⁰	0 ⁰⁰	1	14 9 33 ⁰²	+ 2 ⁷³⁴	...	...	+19 53	—16 ⁹²
228	λ Virginis	4 ⁶	0 ²⁵	5	14 11 51 ⁷⁷	+ 3 ²³⁹	0 ³²	5	—12 45 9 ⁴⁶	—16 ⁸⁰
229	2 Libræ	6 ³	0 ⁴⁷	2	14 16 13 ²⁵	+ 3 ²¹⁹	0 ⁴⁷	2	—11 6 1 ¹⁶	—16 ⁷¹
230	*.....	8 ⁵	0 ¹⁵	4	14 19 30 ⁶⁰	+ 3 ⁸⁸⁴	0 ¹⁵	4	—46 44 47 ¹⁵	—16 ⁴⁶
231	*.....	8 ⁵	0 ¹⁵	4	14 20 21 ³¹	+ 3 ⁸⁹⁰	0 ¹⁵	4	—46 47 8 ⁵²	—16 ⁴¹
232	C. Z. XIV., 1366.	9	0 ²²	4	14 20 53 ⁰⁷	+ 3 ⁸⁸⁸	0 ²²	5	—46 37 33 ¹⁰	—16 ³⁸
233	ε Octantis	6 ⁵	0 ⁵⁷	7	14 25 53 ⁰²	+21 ⁷⁵⁰	0 ⁵⁶	4	—87 35 31 ⁴⁶	—16 ²⁰
234	ε Octantis S.P. ...	...	0 ⁵⁶	6	52 ⁹⁰	...	0 ⁵⁵	2	32 ⁴⁵	...
235	5 Libræ	6 ⁶	0 ³⁵	5	14 38 34 ⁶⁹	+ 3 ²⁹⁹	0 ³⁵	5	—14 53 33 ⁵⁸	—15 ⁴⁷
236	α ² Libræ	3 ⁰	0 ⁰⁰	1	14 43 28 ¹⁹	+ 3 ³⁰⁵	0 ⁰⁰	5	—15 28 57 ⁸⁴	—15 ²³
237	γ ¹ Libræ	4 ⁹	0 ⁴⁰	3	15 4 35 ²⁵	+ 3 ⁴⁰⁹	0 ⁴⁰	3	—19 16 55 ¹⁶	—13 ⁹²
238	β Libræ	2 ⁷	0 ⁰⁰	1	15 9 47 ⁹³	+ 3 ²¹⁸	0 ⁰⁰	2	—8 53 11 ¹⁸	—13 ⁵⁸
239	ρ Octantis	5 ⁷	0 ⁶⁰	4	15 12 52 ⁸⁶	+12 ⁶³⁴	0 ⁶⁰	2	—84 0 30 ⁵⁶	—13 ³⁵
240	ρ Octantis S.P. ...	...	0 ⁵⁹	2	52 ⁸⁶	...	...	...	...	...

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
241	♄ Libræ	6.2	0.48	1	^{h m s} 15 20 42.27	+ 3.376	^s 0.48	2	—16° 14' 48".48	—12".88
242	γ Libræ	4.0	0.48	2	15 28 2.02	+ 3.346	0.48	2	—14 20 24.75	—12.33
243	θ Libræ	4.3	0.44	1	15 46 11.98	+ 3.414	0.44	2	—16 19 59.71	—10.93
244	β ¹ Scorpii	2.9	0.00	1	15 57 38.95	+ 3.477	0.00	10	—19 26 9.05	—10.23
245	β ² Scorpii	7.9	0.00	1	15 57 39.42	+ 3.477	...	...	—19 26	—10.23
246	ν ² Scorpii	4.2	0.57	4	16 4 12.70	+ 3.480	0.53	3	—19 6 34.24	—9.68
247	δ Ophiuchi	2.8	...	...	16 7 19	+ 3.136	0.00	1	—3 20 49.30	—9.59
248	B.A.C. 5412	6.0	0.63	2	11 42.35	+20.514	0.63	2	—86. 5 47.14	—9.10
249	B.A.C. 5412 S.P. ....	...	0.63	1	42.36	...	0.63	1	49.98	...
250	ψ Ophiuchi	4.6	0.63	1	16 16 15.91	+ 3.503	0.63	1	—19 43 14.35	—8.83
251	α Scorpii	1.1	...	...	16 21 12	+ 3.666	0.00	9	—26 7 52.49	—8.41
252	φ Ophiuchi	4.4	0.62	2	16 23 28.35	+ 3.424	0.55	1	—16 19 3.05	—8.24
253	B.A.C. 5579	5.2	0.48	4	16 33 49.55	+ 3.462	0.48	4	—17 28 46.52	—7.34
254	α Trianguli Australia	1.9	0.00	6	16 34 30.01	+ 6.277	0.00	1	—68 46 33.17	—7.39
255	α Trianguli Aus. S.P. ....	...	...	...	...	...	0.00	4	34.65	...
256	B.A.C. 5695	6.6	...	...	16 48 15	+ 3.452	0.33	1	—16 35 23.44	—6.18
257	κ Ophiuchi	3.4	0.00	1	16 51 19.76	+ 2.834	0.00	2	+ 9 35 9.80	—5.90
258	29 Ophiuchi	6.8	0.37	2	16 54 1.11	+ 3.503	0.37	2	—18 41 6.32	—5.69
259	η Ophiuchi	2.6	0.50	5	17 2 41.78	+ 3.436	0.48	5	—15 33 20.56	—4.86
260	B.A.C. 5794	6.0	0.67	1	17 6 27.20	+11.034	0.67	1	—80 43 26.13	—4.76
261	B.A.C. 5794 S.P. ....	...	0.67	1	27.43	...	0.67	1	27.18	...
262	α Herculis	Var.	0.00	1	17 8 32.31	+ 2.732	0.00	1	+14 32 47.68	—4.42
263	ξ Ophiuchi	4.5	0.63	1	17 12 58.53	+ 3.590	0.63	2	—20 57 56.18	—4.29
264	θ Ophiuchi	3.4	0.00	2	17 13 46.94	+ 3.676	0.00	5	—24.51 43.51	—4.01
265	α Ophiuchi	2.2	0.00	3	17 28 42.92	+ 2.781	0.00	1	+12 39 37.98	—2.94
266	ξ Serpentis	3.7	0.63	4	17 29 54.95	+ 3.431	0.62	5	—15 18 39.15	—2.68
267	58 Ophiuchi	5.0	0.56	2	17 35 24.11	+ 3.592	0.56	3	—21 36 52.65	—2.20
268	μ Herculis	3.5	0.00	1	17 41 12.93	+ 2.342	0.00	1	+27 48. 4.93	—2.38
269	B.A.C. 6065	5.9	0.71	2	17 48 36.69	+ 3.450	0.71	2	—15 47 7.26	—1.00
270	4 Sagittarii	4.6	0.26	1	17 51 36.59	+ 3.661	0.26	1	—23 48 2.49	—0.75

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
271	σ Octantis.....	5.5	...	...	^{h m s} 17 59 4	^s +109.742	0.00	1	—89° 16' 44".15	— 0".10
272	σ Octantis S.P. ....	...	...	...	...	...	0.00	17	45° 30'	...
273	μ^1 Sagittarii	4.1	0.00	4	18 5 44.95	+3.584	0.00	9	—21 5 25.82	+ 0.49
274	21 Sagittarii	4.9	0.64	3	18 17 22.28	+3.574	0.66	4	—20 36 36.30	+ 1.50
275	B.A.C. 6279	4.7	0.71	2	18 21 33.67	+3.419	0.71	2	—14 38 52.35	+ 1.86
276	β^1 Lyre	Var.	...	...	18 45 8	+2.212	0.00	1	+33 12 32.32	+ 3.89
277	β^2 Lyre	8.5	0.00	1	18 45 10.03	+2.212	0.00	1	+33 11 56.95	+ 3.89
278	ζ^2 Sagittarii	3.5	0.26	1	18 49 44.00	+3.582	0.26	1	—21 16 45.87	+ 4.32
279	ϵ Sagittarii	3.9	0.57	2	18 56 39.07	+3.599	0.57	2	—21 56 3.22	+ 4.88
280	ζ Aquilæ	3.1	0.00	2	18 59 15.07	+2.752	...	...	+13 40	+ 5.05
281	π Sagittarii	3.1	0.45	2	19 1 47.59	+3.574	0.64	1	—21 13 59.78	+ 5.35
282	δ Sagittarii	4.9	0.58	4	19 9 47.65	+3.515	0.58	4	—19 11 17.53	+ 6.02
283	ω Aquilæ	5.1	0.00	4	19 11 31.62	+2.814	0.00	1	+11 21 22.72	+ 6.17
284	μ^1 Sagittarii	3.9	0.56	1	19 13 53.95	+3.488	0.56	1	—18 5 46.92	+ 6.41
285	ν Sagittarii	4.7	0.59	3	19 14 3.19	+3.445	0.59	3	—16 12 12.35	+ 6.32
286	δ Aquilæ	3.5	0.00	6	19 18 44.59	+3.024	0.00	1	+ 2 51 0.38	+ 6.85
287	λ^2 Sagittarii	4.6	0.00	6	19 28 33.05	+3.656	0.00	7	—25 10 34.18	+ 7.57
288	ϵ^2 Sagittarii	5.0	0.51	3	19 34 51.23	+3.439	0.51	3	—16 26 5.87	+ 8.10
289	f Sagittarii	5.1	0.51	3	19 38 32.60	+3.506	0.64	2	—20 4 48.69	+ 8.33
290	γ Aquilæ	2.8	0.00	2	19 39 53.42	+2.852	...	...	+10 17	+ 8.47
291	α Aquilæ	1.0	0.00	4	19 44 14.74	+2.927	0.00	2	+ 8 31 2.26	+ 9.19
292	57 Sagittarii.....	6.2	0.64	2	19 44 24.58	+3.491	0.64	2	—19 22 54.49	+ 8.68
293	ϵ Pavonis	4.0	0.27	4	19 45 2.07	+7.108	0.27	1	—73 15 28.18	+ 8.64
294	ϵ Pavonis S.P. ....	...	0.27	4	2.15	...	0.25	1	29.31	...
295	β Aquilæ	4.0	0.00	1	19 48 43.91	+2.947	...	...	+ 6 4	+ 8.68
296	g Sagittarii	5.0	0.49	1	19 50 21.02	+3.409	0.49	1	—15 50 38.07	+ 9.24
297	ζ^1 Capricorni	6.0	0.79	1	20 4 32.32	+3.333	0.79	1	—12 47 15.08	+10.36
298	α^1 Capricorni	4.5	0.00	5	20 10 13.11	+3.330	0.00	3	—12 55 10.95	+10.82
299	α^2 Capricorni	3.8	0.00	4	20 10 37.09	+3.333	0.00	11	—12 57 27.02	+10.82
300	β Capricorni	3.4	0.87	1	20 13 28.96	+3.377	...	...	—15 12	+11.05

132 Catalogue of Mean R.A. and Dec. of Stars, observed at

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
301	α Pavonis	2.1	0.00	5	20 15 1.65	+	4.794	0.00	4—57° 9' 38" 03	+11" 06
302	ρ Capricorni	5.0	0.00	4	20 21 12.90	+	3.426	0.00	8—18 15 14.78	+11.58
303	ϵ Aquarii	3.8	0.00	2	20 40 25.26	+	3.257	0.00	2—9 59 2.07	+12.89
304	μ Aquarii	4.8	0.79	1	20 45 25.44	+	3.241	0.79	1—9 29 0.66	+13.21
305	B Octantis	6.6	0.35	5	20 48 37.70	+109	450	0.34	2—89 27 32.73	+13.33
306	B Octantis S.P. ...	0.35	4	37.96	...	0.35	1	36.54	...	...
307	32 Vulpeculæ.....	5.1	0.00	1	20 48 51.05	+	2.554	...	1—27 33	+13.48
308	ν Aquarii	4.6	0.58	5	21 2 17.57	+	3.274	0.58	5—11 54 43.52	+14.33
309	ζ Cygni	3.5	0.00	2	21 7 14.23	+	2.548	0.00	1—29 40 44.56	+14.55
310	18 Aquarii ..	5.4	0.49	3	21 16 51.87	+	3.285	0.49	3—13 27 3.35	+15.18
311	β Aquarii	3.1	0.00	5	21 24 30.19	+	3.163	0.00	5—6 9 31.18	+15.62
312	λ Octantis	5.4	...	21	30 0	+	10.053	0.83	1—83 19 47.55	+15.70
313	ξ Aquarii	4.8	0.66	5	21 30 37.04	+	3.199	0.66	5—8 27 11.50	+15.90
314	ϵ Pegasi	2.4	0.00	3	21 37 36.25	+	2.948	0.00	4—9 15 44.57	+16.31
315	λ Capricorni	5.4	0.42	1	21 39 19.15	+	3.238	0.42	1—11 58 55.04	+16.41
316	16 Pegasi	5.0	...	21	46 58	+	2.726	0.00	1—25 17 44.07	+16.76
317	α Aquarii	3.2	0.00	6	21 58 54.05	+	3.083	0.00	4—0 58 7.71	+17.31
318	α Grius ..	1.9	0.00	6	21 59 46.51	+	3.817	0.00	5—47 36 30.22	+17.18
319	C Octantis	5.7	0.38	2	22 4 59.07	+	14.045	0.38	2—86 38 38.12	+17.66
320	C Octantis .....	...	0.39	1	22 4 58.93	...	0.39	1	39.13	...
321	θ Aquarii	4.3	0.00	8	22 9 45.71	+	3.170	0.00	10—8 26 56.50	+17.75
322	ρ Aquarii	5.4	0.71	2	22 13 8.93	+	3.164	0.71	2—8 29 33.36	+17.96
323	σ Aquarii	4.8	0.77	3	22 23 33.31	+	3.182	0.77	3—11 21 44.48	+18.39
324	β Piscis Australis	4.5	0.85	1	22 23 52.77	+	3.427	0.85	1—33 1 53.06	+18.28
325	η Aquarii	4.2	0.00	11	22 28 28.25	+	3.082	0.00	5—0 48 24.09	+18.42
326	κ Aquarii	5.5	0.42	2	22 30 48.92	+	3.113	0.42	2—4 55 5.62	+18.47
327	β Octantis	4.4	...	22	32 9	+	6.640	0.84	1—82 4 54.43	+18.60
328	ϵ Piscis Australis	4.1	0.85	1	22 33 14.30	+	3.332	0.85	1—27 44 27.12	+18.63
329	ζ Pegasi	3.6	0.00	2	22 34 46.82	+	2.987	0.00	1—10 7 59.20	+18.69
330	67 Aquarii	6.2	0.65	1	22 36 14.37	+	3.134	0.65	1—7 39 48.31	+18.75

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1866°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1866°.	Annual Variation 1865°.
331	λ Aquarii	3·80·50		3	^{h m s} 22 45 37·36	^s + 3·133	0·50	3	— 8° 17' 29" 44	+19" 01
332	78 Aquarii	6·30·83		2	22 47 35·49	+ 3·129	0·83	2	— 7 54 57·06	+19° 08
333	α Piscis Australis	1·30·00		11	22 50 14·38	+ 3·330	0·00	16	— 30 19 52·19	+18° 96
334	81 Aquarii	6·8 ...		...	22 54 26	+ 3·122	0·88	1	— 7 46 48·04	+19° 24
335	α Pegasi	2·60·00		8	22 58 5·28	+ 2·983	0·00	12	+14 29 6·56	+19° 31
336	τ Octantis	5·60·63		1	23 6 23·18	+13·130	0·63	2	— 88 12 57·35	+19° 52
337	τ Octantis S. P. ...	... 0·43		1	23·37	...	0·43	2	60·44	...
338	φ Aquarii	4·20·72		2	23 7 22·97	+ 3·113	0·72	2	— 6 46 13·66	+19° 37
339	γ Piscium	3·80·00		6	23 10 13·21	+ 3·106	0·00	4	+ 2 33 3·46	+19° 57
340	γ Sculptoris	4·30·88		2	23 11 34·87	+ 3·253	0·88	2	— 33 15 41·28	+19° 54
341	96 Aquarii	5·70·73		2	23 12 27·11	+ 3·111	0·73	2	— 5 51 20·31	+19° 63
342	κ Piscium	5·00·00		6	23 20 3·86	+ 3·075	0·00	4	+ 0 31 21·49	+19° 63
343	B. A. C. 8186	6·70·85		1	23 23 20·01	+ 3·269	0·85	1	— 42 43 28·60	+19° 80
344	λ Piscium	4·70·80		2	23 35 12·74	+ 3·059	0·80	2	+ 1 2 34·68	+19° 80
345	B. A. C. 8254	6·40·87		3	23 36 50·10	+ 3·210	0·87	3	— 45 49 35·86	+19° 95
346	20 Piscium	5·70·67		3	23 41 3·26	+ 3·084	0·67	3	— 3 30 21·64	+19° 99
347	8 Sculptoris	4·60·00		4	23 41 56·53	+ 3·133	0·00	2	— 28 52 15·25	+19° 92
348	21 Piscium	6·10·88		2	23 42 35·81	+ 3·070	0·88	2	+ 0 19 56·68	+19° 97
349	γ ¹ Octantis	5·1 ...		...	23 44 8	+ 3·765	0·84	2	— 82 45 48·15	+19° 99
350	22 Piscium	5·90·73		2	23 45 6·37	+ 3·069	0·73	2	+ 2 11 9·40	+20° 00
351	γ ² Octantis	5·6 ...		...	23 50 6	+ 3·521	0·84	1	— 82 54 53·41	+20° 03
352	η Toucani	5·10·88		2	23 50 32·08	+ 3·207	0·88	2	— 65 2 31·25	+20° 02
353	27 Piscium	5·00·88		2	23 51 48·79	+ 3·068	0·88	2	— 4 17 56·99	+19° 92
354	α Piscium	4·20·00		1	23 52 25·82	+ 3·077	0·00	1	+ 6 7 18·76	+19° 92

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE

SEPARATE RESULTS
OF
MERIDIAN OBSERVATIONS OF STARS

MADE IN THE YEAR

1867

REDUCED TO MEAN PLACE FOR 1867.0.

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 19.				B. A. C. 56— <i>continued</i> .			
Aug. 1	B	^{h m s} ... 172° 57' 48" 47		Oct. 7	JS	^{h m s} 0 10 52.08	169° 31' 5" 09
5	B	0 3 56.69	48.87	8	IF	52.87	5.41
Sept. 26	JS	...	47.45			0 10 51.94	169 31 5.57
Oct. 4	CF	...	50.23	o Octantis.			
7	JS	...	47.77				
		0 3 56.69	172 57 48.56				
γ Pegasi.				June 23	CF	...	179 6 8.27
Aug. 17	G	0 6 23.58	...	30	CF	0 13 2.38	8.25
Nov. 21	B	23.46	...			0 13 2.38	179 6 8.26
Dec. 6	IF	23.48	...	o Octantis S.P.			
		0 6 23.51	75 33				
B. A. C. 33.				July 3	G	...	179 6 10.39
Oct. 30	B	0 7 52.83	109 40 10.74	5	JS	0 13 9.38	10.55
Nov. 1	JS	52.91	11.91			0 13 9.38	179 6 10.47
4	JS	52.92	11.25	B. A. C. 64.			
		0 7 52.89	109 40 11.30				
B. A. C. 45.				Oct. 18	IF	0 13 7.34	155 39 21.08
July 15	CF	...	166 39 3.83	Nov. 1	JS	7.31	20.97
31	CF	0 9 47.36	2.29			0 13 7.33	155 39 21.03
Oct. 29	CF	47.77	3.74	d Piscium.			
		0 9 47.57	166 39 3.29				
B. A. C. 56.				July 21	JS	0 13 45	82 32 54.09
Sept. 26	JS	...	169 31 5.34	B. A. C. 70.			
Oct. 4	CF	0 10 50.86	6.44				
				Oct. 23	IF	0 14 27.59	160 21 45.83
				29	CF	27.71	49.01
						0 14 27.65	160 21 47.42

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 72.				β Hydri S.P.			
Oct. 16	B	^{h m s} o 14 49'92	119° 42' 61"16	Jan. 8	G	^{h m s} o 18 42'44	... "
22	B	49'97	59'57	14	JS	...	168 o 12'72
		o 14 49'95	119 43 o'37	Feb. 21	JS	42'70	13'39
β Hydri.				25	JS	43'07	14'22
Jan. 4	CF	...	168 o 12'76	Mar. 4	JS	43'35	...
8	G	...	10'99	6	JS	42'56	...
Feb. 22	G	o 18 42'75	11'21	7	G	41'82	...
Mar. 13	CF	42'55	...	May 22	CF	42'99	12'82
May 30	G	42'71	...	27	JS	42'43	12'94
June 5	G	42'57	...	30	G	42'99	...
6	G	42'42	...	31	JS	43'07	12'37
11	B	42'35	10'97	June 3	JS	42'64	...
16	G	42'19	...	4	IF	...	13'88
24	JS	...	11'90	5	G	43'12	...
30	CF	42'57	...	6	B	42'34	14'61
July 1	B	43'31	11'22	10	G	42'54	...
2	IF	...	11'03	11	B	42'89	13'72
4	CF	43'01	11'31	July 1	B	42'71	15'55
5	JS	...	11'50	5	JS	42'74	13'40
9	IF	42'66	13'44	8	B	42'89	13'48
15	CF	...	11'61	9	IF	42'47	14'02
26	CF	42'30	13'75	10	G	42'72	...
29	G	42'80	11'25	16	IF	...	12'67
31	OF	...	11'39	27	G	42'82	...
Aug. 5	B	42'98	11'76	Aug. 7	G	42'70	...
Oct. 4	CF	42'33	12'60	Nov. 24	G	43'14	...
7	JS	42'32	10'23	Dec. 9	G	42'67	...
Nov. 19	G	42'53	...	19	G	42'73	...
21	B	42'73	...			o 18 42'74	168 o 13'56
26	IF	42'32	...	B. A. C. 93.			
Dec. 9	G	42'68	...	Sept. 26	JS	o 19 39'16	134 25 o'96
19	G	42'43	...	Oct. 18	IF	39'38	4'67
		o 18 42'60	168 o 11'70				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 93— <i>continued.</i>				β^1 Toucani— <i>continued.</i>			
Oct. 22	B	$\begin{smallmatrix} h & m & s \\ 19 & 39 & 26 \end{smallmatrix}$	$\begin{smallmatrix} 134^{\circ} & 25' & 2''98 \end{smallmatrix}$	Sept. 26	JS	$\begin{smallmatrix} h & m & s \\ 25 & 25 & 83 \end{smallmatrix}$	$\begin{smallmatrix} 153^{\circ} & 41' & 27''23 \end{smallmatrix}$
23	IF	39'42	3'85	Oct. 29	CF	26'07	27'81
		$\begin{smallmatrix} h & m & s \\ 19 & 39 & 31 \end{smallmatrix}$	$\begin{smallmatrix} 134^{\circ} & 25' & 3''12 \end{smallmatrix}$			$\begin{smallmatrix} h & m & s \\ 25 & 25 & 95 \end{smallmatrix}$	$\begin{smallmatrix} 153^{\circ} & 41' & 27''87 \end{smallmatrix}$
B. A. C. 94.				β^2 Toucani.			
Oct. 16	B	$\begin{smallmatrix} h & m & s \\ 19 & 42 & 27 \end{smallmatrix}$	$\begin{smallmatrix} 133^{\circ} & 1' & 42''01 \end{smallmatrix}$	July 15	CF	...	$\begin{smallmatrix} 153^{\circ} & 41' & 53''14 \end{smallmatrix}$
29	CF	42'13	42'12	Oct. 7	JS	$\begin{smallmatrix} h & m & s \\ 25 & 26 & 57 \end{smallmatrix}$	55'32
Nov. 1	JS	42'32	42'72	18	IF	26'53	54'09
4	JS	42'32	41'30	23	IF	26'71	53'78
		$\begin{smallmatrix} h & m & s \\ 19 & 42 & 26 \end{smallmatrix}$	$\begin{smallmatrix} 133^{\circ} & 1' & 42''04 \end{smallmatrix}$			$\begin{smallmatrix} h & m & s \\ 25 & 26 & 60 \end{smallmatrix}$	$\begin{smallmatrix} 153^{\circ} & 41' & 54''08 \end{smallmatrix}$
γ Ceti.				β^3 Toucani.			
July 21	JS	...	$\begin{smallmatrix} 90^{\circ} & 47' & 9''41 \end{smallmatrix}$	July 31	CF	$\begin{smallmatrix} h & m & s \\ 26 & 39 & 32 \end{smallmatrix}$	$\begin{smallmatrix} 153^{\circ} & 45' & 50''25 \end{smallmatrix}$
Aug. 17	G	$\begin{smallmatrix} h & m & s \\ 19 & 48 & 41 \end{smallmatrix}$	9'64	Oct. 24	JS	39'32	49'55
18	G	48'24	10'39	Nov. 1	JS	39'34	50'26
Dec. 6	IF	48'34	10'43	4	JS	39'30	48'71
		$\begin{smallmatrix} h & m & s \\ 19 & 48 & 33 \end{smallmatrix}$	$\begin{smallmatrix} 90^{\circ} & 47' & 9''97 \end{smallmatrix}$			$\begin{smallmatrix} h & m & s \\ 26 & 39 & 32 \end{smallmatrix}$	$\begin{smallmatrix} 153^{\circ} & 45' & 49''69 \end{smallmatrix}$
γ Ceti.				B. A. C. 141.			
July 26	CF	$\begin{smallmatrix} h & m & s \\ 23 & 15 & 08 \end{smallmatrix}$	$\begin{smallmatrix} 94^{\circ} & 41' & 33''01 \end{smallmatrix}$	Oct. 30	B	$\begin{smallmatrix} h & m & s \\ 27 & 51 & 80 \end{smallmatrix}$	$\begin{smallmatrix} 133^{\circ} & 9' & 55''61 \end{smallmatrix}$
Aug. 17	G	15'27	...	Nov. 22	IF	52'04	55'50
Nov. 21	B	15'16	...			$\begin{smallmatrix} h & m & s \\ 27 & 51 & 92 \end{smallmatrix}$	$\begin{smallmatrix} 133^{\circ} & 9' & 55''56 \end{smallmatrix}$
22	IF	15'24	...	γ Ceti.			
26	IF	15'26	...	Aug. 17	G	$\begin{smallmatrix} h & m & s \\ 28 & 24 & 35 \end{smallmatrix}$	$\begin{smallmatrix} 94^{\circ} & 19' & 30''89 \end{smallmatrix}$
Dec. 6	IF	15'33	...	18	G	24'22	31'60
		$\begin{smallmatrix} h & m & s \\ 23 & 15 & 22 \end{smallmatrix}$	$\begin{smallmatrix} 94^{\circ} & 41' & 33''01 \end{smallmatrix}$	Dec. 6	IF	24'27	29'86
β^1 Toucani.						$\begin{smallmatrix} h & m & s \\ 28 & 24 & 28 \end{smallmatrix}$	$\begin{smallmatrix} 94^{\circ} & 19' & 30''78 \end{smallmatrix}$
July 15	CF	...	$\begin{smallmatrix} 153^{\circ} & 41' & 28''57 \end{smallmatrix}$				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 183.				B. A. C. 202.			
July 31	CF	^{h m s} ...	136° 48' 54" 10	Oct. 7	JS	^{h m s} ° 37 45' 95	129° 9' 16" 72
Sept. 26	JS	° 35 1' 93	55' 60	16	B	45' 66	16' 67
Oct. 18	IF	2' 02	52' 49	22	B	...	(12' 97)
24	JS	1' 98	54' 68			° 37 45' 81	129 9 16' 70
Nov. 1	JS	2' 03	55' 26	δ Piscium.			
		° 35 1' 99	136 48 54' 43	June 24	JS	° 41 47' 07	83 8 20' 36
B. A. C. 188.				Sept. 15	G	47' 04	19' 72
July 15	CF	...	147 14 0' 99	Nov. 9	G	46' 95	19' 12
Oct. 8	IF	° 35 42' 13	13 59' 44			° 41 47' 02	83 8 19' 73
30	B	41' 83	13 59' 92	λ Hydri.			
		° 35 41' 98	147 14 0' 12	Oct. 8	IF	° 43 57' 40	165 38 50' 55
B. A. C. 192.				14	JS	57' 41	50' 57
Oct. 7	JS	° 36 18' 73	129 11 32' 92	18	IF	57' 40	50' 92
16	B	18' 73	31' 81	24	JS	57' 84	51' 60
		° 36 18' 73	129 11 32' 37	29	OF	57' 58	51' 96
β Oeti.						° 43 57' 53	165 38 51' 12
Jan. 4	CF	...	108 42 59' 80	ρ Phœnicis.			
Apr. 24	JS	...	59' 79	July 31	CF	° 44 37' 79	141 42 49' 35
July 5		° 36 54' 85	...	Oct. 7	JS	37' 30	46' 18
Nov. 21	B	54' 77	...	23	IF	37' 39	46' 24
22	IF	54' 77	...	Nov. 1	JS	37' 43	46' 91
Dec. 6	IF	54' 70	...			° 44 37' 48	141 42 47' 17
		° 36 54' 77	108 42 59' 80	20 Oeti.			
η Phœnicis.				Sept. 15	G	° 46 12' 85	91 51 59' 98
Oct. 23	IF	° 37 21' 93	148 11 33' 15				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 265.				30 Ceti.			
Oct. 30	B	^{h m s} 0 49 59.00	143° 54' 40".20	Nov. 20	CF	^{h m s} 1 1 5.07	100° 29' 50".06
B. A. C. 271.				B. A. C. 340.			
Nov. 20	CF	0 52 4.46	102 5 52.85	July 8	B	1 2 47.03	145 57 25.33
				31	CF	47.53	24.56
				Oct. 14	JS	47.17	25.48
				18	IF	47.39	24.25
e Piscium.						1 2 47.28	145 57 24.91
June 24	JS	0 56 3	82 49 35.21	B. A. C. 354.			
Aug. 18	G	...	34.43	Oct. 30	B	1 4 47.69	147 34 9.24
Nov. 9	G	...	34.30	Nov. 1	JS	47.72	9.06
		0 56 3	82 49 34.65	4	JS	47.84	8.79
w Phœnicis.						1 4 47.75	147 34 9.03
July 8	B	0 56 23.76	147 43 9.96	ζ Piscium.			
31	CF	24.00	9.87	Aug. 18	G	1 6 47.17	83 7 43.12
Oct. 23	IF	23.90	6.72	Dec. 6	IF	47.13	41.83
24	JS	23.84	7.08			1 6 47.15	83 7 42.48
29	CF	23.80	6.92	41 Ceti.			
		0 56 23.86	147 43 8.11	Nov. 20	CF	1 11 1.49	98 21 42.44
B. A. C. 301.				α Toucani.			
Nov. 1	JS	0 57 36.62	156 10 16.58	July 31	CF	1 11 15.11	159 34 57.79
4	JS	36.77	15.67	Oct. 14	JS	14.92	57.56
		0 57 36.70	156 10 16.13	18	IF	14.96	56.04
B. A. C. 306.				24	JS	15.10	57.61
Nov. 22	IF	0 58 15.75	124 14 45.34	29	CF	15.30	57.97
						1 11 15.08	159 34 57.39

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 422.				η Piscium.			
Oct. 22	B	^{h m s} 1 17 21.42	157° 4' 48".32	Oct. 13	G	^{h m s} 1 24 22.27	75° 20' "
24	JS	21.60	48.18	49 Ceti.			
29	CF	22.00	48.03	Nov. 20	CF	1 28 8.04	106 21 30.83
Nov. 1	JS	21.58	48.69	B. A. C. 478.			
4	JS	21.60	47.41	Nov. 25	JS	1 28 42.46	136 22 34.09
		1 17 21.64	157 4 48.13	26	IF	42.31	35.91
θ ¹ Ceti.						1 28 42.39	136 22 35.00
Oct. 13	G	1 17 22.58	...	B. A. C. 497.			
Nov. 20	CF	22.59	98 52 13.45	Nov. 1	JS	1 31 52.13	148 56 59.16
Dec. 6	IF	22.60	...	α Eridani.			
		1 17 22.59	98 52 13.45	Jan. 11	B	1 32 45.45	147 55
B. A. C. 428.				B. A. C. 513.			
Oct. 30	B	1 18 55.10	135 13 18.12	Nov. 21	B	1 33 38.78	144 6 48.98
B. A. C. 447.				22	IF	38.85	47.77
July 31	OF	1 22 35.25	133 59 60.27			1 33 38.82	144 6 48.38
Oct. 24	JS	35.20	59.56	ν Piscium.			
29	CF	35.22	60.77	July 31	OF	...	85 11 10.71
Nov. 4	JS	35.25	59.16	Sept. 15	G	...	10.74
		1 22 35.23	133 59 59.94	16	JS	1 34 30.90	11.54
μ Piscium.				Oct. 13	G	30.77	10.21
Dec. 6	IF	1 23 13.25	84 32 32.69	29	CF	30.78	...
7	JS	13.18	31.22	Nov. 20	CF	30.81	...
		1 23 13.22	84 32 31.96			1 34 30.82	85 11 10.80

142 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♄ Piscium.				B. A. C. 382—continued.			
Sept. 15	G	^{h m s} 1 38 22.45	81° 30' 45".33	Oct. 14	JS	^{h m s} 1 48 18.55	136° 57' 16".63
16	JS	22.37	48.54	18	IF	18.80	16.56
Nov. 9	G	22.45	43.31	24	JS	18.72	16.62
		1 38 22.42	81 30 45.73	29	CF	18.82	16.11
						1 48 18.70	136 57 16.89
B. A. C. 539.				♋ Phœnicia.			
Nov. 20	CF	1 39 18.94	96 23 55.95	Aug. 20	B	1 48 51	133 9 1.40
B. A. C. 552.				♍ Hydri.			
Oct. 30	B	1 41 38.30	132 25 35.90	Oct. 22	B	1 49 12.99	158 35 58.23
Nov. 25	JS	38.57	34.95				
26	IF	38.43	36.44				
		1 41 38.43	132 25 35.76				
♎ Ceti.				B. A. C. 621.			
Nov. 20	CF	1 44 53.76	100 59 33.53	Nov. 25	JS	1 54 9.85	132 40 21.82
				26	IF	9.73	23.23
						1 54 9.79	132 40 22.53
B. A. C. 571.				B. A. C. 635.			
Nov. 21	B	1 45 44.66	140 51 55.14	Aug. 20	B	1 56 12	156 42 41.53
♈ Arietis.				B. A. C. 638.			
July 26	CF	1 47 17.83	69 50 35.80	Nov. 18	JS	1 56 (10.97)	168 59 53.18
Oct. 13	G	17.78	...	22	IF	7.37	53.87
		1 47 17.81	69 50 35.80			1 56 7.37	168 59 53.53
B. A. C. 582.				B. A. C. 636.			
July 31	CF	1 48 18.57	136 57 18.48	Nov. 20	CF	1 56 34.40	105 56 51.88
Sept. 16	JS	18.76	16.91				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Arietis.				67 Ceti—continued.			
Oct. 13	G	^{h m s} 1 59 40.88	^{° ' "}	Oct. 29	CF	^{h m s} 2 10 21.16	^{° ' "}
29	CF	40.88	...	Nov. 20	CF	21.15	97 2 9.05
Dec. 19	G	40.87	67 10 3.99	22	IF	21.12	...
		1 59 40.88	67 10 3.99	25	JS	21.14	...
B. A. C. 659.				26	IF	21.11	...
Nov. 21	B	2 1 52.10	145 43 2.65	Dec. 3	CF	21.14	...
B. A. C. 664.				6	IF	21.08	...
Oct. 30	B	2 2 40.93	132 30 44.49			2 10 21.11	97 2 9.05
Nov. 25	JS	41.02	43.37	B. A. C. 726.			
26	IF	40.94	45.56	Oct. 30	B	2 14 6.20	132 27 43.25
		2 2 40.96	132 30 44.47	Nov. 18	JS	6.44	42.63
B. A. C. 671.				Dec. 2	JS	6.37	41.21
Nov. 18	JS	2 3 40.32	156 34 38.40			2 14 6.34	132 27 42.36
22	IF	40.19	38.58	B. A. C. 730.			
Dec. 13	JS	...	39.28	Dec. 19	G	2 14 24.84	166 58 30.95
		2 3 40.26	156 34 38.75	69 Ceti.			
ξ^1 Ceti.				Nov. 22	IF	2 15 8.03	90 12 46.84
Oct. 13	G	2 5 57.20	81 46 42.89	B. A. C. 736.			
14	JS	57.13	42.10	Nov. 21	B	2 16 10.58	147 23 35.92
Dec. 8	JS	57.26	41.48	Dec. 13	JS	10.59	36.81
		2 5 57.20	81 46 42.16			2 16 10.59	147 23 36.37
67 Ceti.				B. A. C. 739.			
Sept. 16	JS	2 10 20.97	...	Oct. 30	B	2 16 58.75	133 48 31.14

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 739—continued.				B. A. C. 767.			
Nov. 25	JS	^{h m s} 2 16 58.79	^{° ′ ″} 133 48 31.03	Dec. 16	B	^{h m s} ...	^{° ′ ″} 164 14 53.29
26	IF	58.64	31.19	19	G	...	52.63
		2 16 58.73	133 48 31.12			2 22 5	164 14 52.96
B. A. C. 742.				B. A. C. 768.			
Dec. 6	IF	2 17 25.99	120 28 17.23	Dec. 6	IF	2 22 51.40	121 41 51.03
71 Ceti.				B. A. C. 781.			
Nov. 20	CF	2 18 15.20	93 22 59.69	Nov. 20	CF	2 25 47.07	105 49 46.03
Dec. 3	CF	15.45	57.75	Dec. 3	CF	46.94	46.36
		2 18 15.33	93 22 58.72			2 25 47.01	105 49 46.20
B. A. C. 753.				B. A. C. 801.			
Nov. 21	B	2 19 13.67	147 25 6.83	Nov. 18	JS	2 29 22.31	141 40 36.74
Dec. 2	JS	13.68	6.99	21	B	22.78	36.58
		2 19 13.68	147 25 6.91	22	IF	22.76	35.24
ξ ² Ceti.						2 29 22.62	141 40 36.19
Sept. 16	JS	2 21 5.36	82 8 13.52	B. A. C. 799.			
17	IF	5.49	14.98	Dec. 6	IF	2 29 27.33	98 24 41.09
Oct. 13	G	5.44	13.59	B. A. C. 815.			
14	JS	...	14.82	Nov. 20	CF	2 33 8.01	102 26 16.50
Nov. 22	IF	5.46	...	Dec. 3	CF	7.87	17.08
26	IF	5.52	...			2 33 7.94	102 26 16.79
Dec. 7	JS	...	14.96				
8	JS	...	13.60				
19	G	5.47	...				
		2 21 5.46	82 8 14.25				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 824.				<i>β Ceti—continued.</i>			
Dec. 16	B	^{h m s} 2 33 52	164° 36' 12'' 49	Sept. 16	JS	^{h m s} 2 37 45·25	80° 26' 56'' 04
				17	IF	45·47	56·30
B. A. C. 835.							
Oct. 30	B	2 35 42·21	157 52 27·37	B. A. C. 856.			
Dec. 2	JS	42·32	26·53	Nov. 20	CF	2 38 53·78	109 8 10·92
13	JS	...	27·06	Dec. 3	CF	53·61	12·60
				</			

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 886.				B. A. C. 922.			
Nov. 26	IF	^{h m s} 2 44 52.00	126° 23' 44".11	Nov. 22	IF	^{h m s} 2 51 28.97	114° 23' 48".48
B. A. C. 899.				26	IF	28.85	47.86
Dec. 19	G	2 47 26.51	147 44 23.99			2 51 28.91	114 23 48.17
B. A. C. 900.				B. A. C. 942.			
Dec. 6	IF	2 47 41.36	131 56 14.38	Dec. 6	IF	2 53 45.18	145 32 54.45
B. A. C. 911.				α Ceti.			
Aug. 20	B	...	153 27 14.70	Jan. 10	IF	2 55 19.78	86 26 1.92
Dec. 2	JS	2 49 27.66	12.67	14	JS	...	2.89
		2 49 27.66	153 27 13.69	15	CF	19.83	...
B. A. C. 910.				30	CF	"	1.77
Nov. 20	CF	2 49 55.90	99 25 44.33	Nov. 22	IF	19.78	...
Dec. 3	CF	55.90	42.77			2 55 19.80	86 26 2.19
		2 49 55.90	99 25 43.55	B. A. C. 959.			
B. A. C. 919.				Nov. 20	CF	2 56 10.75	98 12 36.20
Oct. 30	B	...	155 59 48.61	Dec. 3	CF	10.75	35.98
Nov. 18	JS	2 50 34.48	48.17			2 56 10.75	98 12 36.09
25	JS	34.59	47.57	B. A. C. 956.			
Dec. 13	JS	...	48.46	Jan. 17	IF	2 56 17.43	154 36 1.31
		2 50 34.54	155 59 48.20	19	JS	17.83	4.19
B. A. C. 917.				Nov. 25	JS	17.30	2.67
Dec. 18	IF	2 50 40.34	129 11 25.68			2 56 17.52	154 36 2.72
B. A. C. 958.				B. A. C. 958.			
Nov. 26	IF	2 57 7.38	154 9 20.07	Nov. 26	IF	2 57 7.38	154 9 20.07

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Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 970.				B. A. C. 994.			
Dec. 6	IF	^{h m s} 3 0 23'29	141° 50' 32"38	Nov. 20	CF	^{h m s} 3 5 59'43	91° 41' 42"41
17	JS	23'32	33'76	Dec. 3	CF	59'31	41'50
18	IF	23'40	32'72			3 5 59'37	91° 41' 41"96
		3 0 23'34	141 50 32'95	B. A. C. 1000.			
θ Hydri.				Oct. 30	B	3 6 48'11	159 46 18'32
Aug. 20	B	...	162 25 19'16	Nov. 18	JS	48'14	19'14
27	CF	3 1 59'75	18'73	25	JS	48'15	21'02
Sept. 4	CF	59'57	18'81			3 6 48'13	159 46 19'49
Nov. 25	JS	60'00	17'63	B. A. C. 1002.			
		3 1 59'77	162 25 18'58	Nov. 22	IF	3 7 19'94	148 18 44'89
B. A. C. 984.				26	IF	19'57	43'38
Nov. 26	IF	3 3 26'51	125 56 17'12			3 7 19'76	148 18 44'14
δ Arietis.				B. A. C. 1003.			
Jan. 8	IF	...	70 46 40'20	Dec. 19	G	3 7 48'92	126 26 34'29
10	IF	3 4 1'69	39'41	B. A. C. 1019.			
14	JS	...	42'36	Dec. 6	IF	3 10 42'31	121 19 10'50
15	CF	1'58	43'41	B. A. C. 1022.			
		3 4 1'64	70 46 41'35	Nov. 20	CF	3 11 34'19	91 24 58'03
B. A. C. 992.				Dec. 3	OF	34'23	55'95
Nov. 21	B	3 5 16'44	151 39 30'47			3 11 34'21	91 24 56'99
Dec. 13	JS	...	30'53				
17	JS	16'18	31'35				
		3 5 16'31	151 39 30'78				

148 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1038.				α Tauri— <i>continued</i> .			
Jan. 8	IF	^{h m s} 3 12 10.14	169° 29' 32".30	Dec. 8	JS	^{h m s} 3 17 39.51	81° 26' 28".66
14	B	9.03	37.45	9	G	39.53	28.45
Aug. 27	CF	9.33	34.55			3 17 39.50	81 26 28.20
Sept. 4	CF	8.85	34.78	B. A. C. 1060.			
		3 12 9.29	169 29 34.77	Dec. 6	IF	3 18 24.21	123 10 49.73
B. A. C. 1036 (1st star).				13	JS	24.35	50.32
Nov. 18	JS	3 13 4.52	154 55 54.74			3 18 24.28	123 10 50.03
21	B	4.37	55.13	B. A. C. 1075.			
22	IF	4.74	54.14	Nov. 21	B	3 20 39.22	141 31 57.43
25	JS	4.38	56.43	22	IF	39.26	57.89
		3 13 4.50	154 55 55.11	26	IF	39.08	57.66
B. A. C. 1036 (2nd star).						3 20 39.19	141 31 57.66
Nov. 21	B	3 13 7	154 56 0.06	B. A. C. 1074.			
B. A. C. 1037.				Oct. 30	B	...	126 23 16.71
Nov. 26	IF	3 13 36.03	112 14 35.65	Nov. 1	JS	3 20 47.37	17.88
B. A. C. 1042.				18	JS	47.39	18.74
Dec. 19	G	3 14 4.11	125 29 14.18	25	JS	47.53	16.58
B. A. C. 1048.						3 20 47.43	126 23 17.48
Dec. 20	CF	3 14 53.67	153 5 6.82	Lacaille 1103.			
σ Tauri.				Oct. 30	B	3 20 51	126 25 30.38
Oct. 14	JS	3 17 39.45	81 26 27.48	B. A. C. 1082.			
				Dec. 18	IF	3 22 24.30	126 8 40.84
				19	G	24.27	41.12
				23	IF	24.39	40.43
						3 22 24.32	126 8 40.80

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1085.				B. A. C. 1104.			
Oct. 30	B	^{h m s} 3 23 4	126° 18' 52'' 78	Nov. 26	IF	^{h m s} 3 27 54' 74	112° 4' 50'' 12
B. A. C. 1091.				B. A. C. 1106.			
Dec. 16	B	...	160 5 30' 27	Nov. 21	B	3 28 36' 85	140 49 50' 56
20	CF	3 23 29' 85	30' 74	Dec. 17	JS	36' 86	50' 68
		3 23 29' 85	160 5 30' 51	18	IF	37' 03	52' 10
f Tauri.				23	IF	36' 80	51' 10
Sept. 17	IF	3 23 32' 08	77 31 17' 58			3 28 36' 89	140 49 51' 11
18	B	32' 02	15' 51	B. A. C. 1109.			
Oct. 14	JS	31' 88	16' 24	Jan. 9	JS	3 29 13' 72	122 19 13' 52
Nov. 12	JS	32' 07	16' 02	Sept. 4	CF	13' 67	13' 94
Dec. 8	JS	32' 13	17' 57			3 29 13' 70	122 19 13' 73
9	G	32' 00	15' 04	B. A. C. 1113.			
		3 23 32' 03	77 31 16' 33	Dec. 20	CF	3 29 30' 51	156 56 26' 88
B. A. C. 1090.				B. A. C. 1110.			
Nov. 20	CF	3 24 1' 27	95 31 58' 20	Dec. 6	IF	3 29 57' 90	89 50 52' 71
Dec. 3	CF	1' 22	56' 64	10 Tauri.			
6	IF	1' 21	58' 12	Dec. 3	CF	3 30 5' 25	90 1 19' 28
		3 24 1' 23	95 31 57' 65	B. A. C. 1118.			
B. A. C. 1103.				Dec. 19	G	3 31 18' 51	134 9 29' 33
Nov. 18	JS	3 27 3' 80	153 24 23' 34				
22	IF	3' 67	24' 61				
25	JS	3' 74	23' 23				
		3 27 3' 74	153 24 23' 73				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1124.				B. A. C. 1152.			
Dec. 27	OF	^{h m s} 3 32 27.45	96° 3' 15.23	Dec. 3 27	CF CF	^{h m s} 3 37 12.63 12.90	100° 54' 28.65 27.21 3 37 12.77 100 54 27.93
Brisbane 593.				η Tauri.			
Nov. 1	JS	3 34 53.70	168 47 43.80	Jan. 8	IF	...	66 18 26.86
18	JS	53.88	43.23	10	IF	3 39 34.89	26.72
22	IF	54.11	43.39	15	CF	35.04	...
		3 34 53.90	168 47 43.47	30	CF	34.93	...
B. A. C. 1136.				B. A. C. 1183.			
Dec. 18	IF	3 35 0.26	130 47 3.08	Nov. 21	B	3 40 54.26	144 53 58.63
23	IF	0.27	2.28	Dec. 13	JS	54.35	60.21
		3 35 0.27	130 47 2.68	3 40 54.31 144 53 59.42			
B. A. C. 1141.				ε Tauri.			
Dec. 16	B	3 35 30	150 12 38.57	Aug. 21	CF	3 40 58.80	79 16 3.49
B. A. C. 1145.				Sept. 17	IF	58.92	3.51
Nov. 25	JS	3 36 27.03	131 11 45.97	18	B	58.85	3.93
26	IF	26.94	45.53	3 40 58.86 79 16 3.64			
Dec. 6	IF	26.88	45.86	τ ⁷ Eridani.			
		3 36 26.95	131 11 45.79	Dec. 6	IF	3 41 56.43	114 17 16.27
17 Tauri.				B. A. C. 1197.			
Jan. 11	B	3 36 58.97	...	Jan. 9	JS	3 42 32.98	155 13 31.81
28	B	58.93	...				
		3 36 58.95	66 18				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1297—continued.				γ Hydri.			
Nov. 25	JS	^{h m s} 3 42 32.32	155° 13' 32.43	Jan. 18	B	^{h m s}	164° 38' 45.25
26	IF	32.19	31.57	22	B	3 49 19.86	46.29
		3 42 32.50	155 13 31.94	Aug. 21	CF	20.09	(48.22)
B. A. C. 1215.				27	CF	19.82	44.92
Dec. 16	B	...	162 4 8.01	29	JS	20.46	43.99
20	CF	3 46 6.79	8.37	Sept. 4	CF	19.63	45.39
		3 46 6.79	162 4 8.19			3 49 19.92	164 38 45.17
30 Eridani.				γ Hydri S. P.			
Dec. 3	CF	3 46 7.60	95 45 38.03	Aug. 22	JS	3 49 20.10	164 38 48.54
27	CF	7.69	36.90	23	IF	...	46.25
		3 46 7.65	95 45 37.47			3 49 20.10	164 38 47.40
B. A. C. 1216.				B. A. C. 1232.			
Dec. 6	IF	3 47 36.75	93 20 59.60	Oct. 30	B	3 50 28.74	136 48 26.95
18	IF	36.91	58.60	Nov. 1	JS	28.64	25.14
23	IF	36.78	59.75	25	JS	28.63	25.71
		3 47 36.81	93 20 59.32			3 50 28.67	136 48 25.93
τ^8 Eridani.				B. A. C. 1231.			
Jan. 23	IF	3 48 3	115 0 29.20	Nov. 26	IF	3 50 29.08	129 8 56.60
ν^8 Eridani.				γ^1 Eridani.			
Jan. 8	IF	3 48 35.02	125 7 35.68	Jan. 15	CF	3 51 49.54	...
14	B	34.97	36.71	17	IF	...	103 53 17.98
28	B	35.02	35.84	30	CF	49.60	...
		3 48 35.00	125 7 36.08	Sept. 17	IF	49.53	..
				Nov. 20	CF	49.49	...
				22	IF	49.48	...

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ^1 Eridani— <i>continued.</i>				B. A. C. 1273.			
Dec. 3	CF	^{h m s} 3 51 49.47	° ' "	Dec. 18	IF	^{h m s} 4 0 8.52	118° 1' 3".24
6	IF	49.40	...	23	IF	8.60	3.22
27	CF	49.61	...	27	OF	8.57	2.30
		3 51 49.52	103 53 17.98			4 0 8.56	118 1 2.92
λ Tauri.				B. A. C. 1278.			
Jan. 15	CF	3 53 18.97	77 53 15.39	Dec. 16	B	4 1 32	161 32 5.72
16	G	18.89	14.20	B. A. C. 1277.			
Feb. 12	IF	18.96	16.49	Nov. 18	JS	4 1 42.86	149 19 0.72
Aug. 21	CF	18.89	(13.26)	22	IF	42.90	1.77
Nov. 12	JS	18.96	15.45	Dec. 13	JS	42.93	0.76
		3 53 18.93	77 53 15.38			4 1 42.90	149 19 1.08
35 Eridani.				37 Eridani.			
Dec. 3	CF	3 54 47.74	91 55 27.12	Jan. 30	CF	4 3 53.43	97 16
27	CF	47.96	26.93	ϕ^1 Eridani.			
		3 54 47.85	91 55 27.03	Jan. 8	IF	...	97 11 7.94
γ Reticuli.				10	IF	4 5 22.44	10.82
Jan. 9	JS	3 58 59.26	152 31 49.86	15	CF	22.40	...
18	B	...	51.67	17	IF	...	9.92
Nov. 25	JS	58.59	53.19	23	IF	...	10.62
		3 58 58.93	152 31 51.57	30	CF	22.51	9.88
ι Reticuli.				Feb. 11	B	22.68	...
Nov. 26	IF	3 59 8.93	151 27 6.12	Oct. 29	OF	22.45	...
C. G. A. 4564.				Nov. 20	CF	22.53	...
Dec. 6	IF	3 59 29.77	134 50 38.34	21	B	22.53	...
				25	JS	22.47	...
				26	IF	22.30	...

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♂ Eridani—continued.				B. A. C. 1334.			
Dec. 3	CF	h m s 4 5 22.50	° ' "	Dec. 18	IF	h m s 4 12 56.50	° ' " 113 17 47.29
10	CF	22.66	...	23	IF	56.55	45.73
20	CF	22.52	...			4 12 56.53	113 17 46.51
27	CF	22.26	...	B. A. C. 1340.			
		4 5 22.48	97 11 9.84	B. A. C. 1344.			
B. A. C. 1319.				Nov. 1	JS	4 14 8.77	115 20 48.51
Nov. 18	JS	4 8 47.74	168 59 13.83	B. A. C. 1345.			
22	IF	47.44	12.77	Nov. 26	IF	4 14 20.54	151 16 34.08
Dec. 13	JS	...	13.51	Dec. 16	B	...	32.43
		4 8 47.59	168 59 13.37			4 14 20.54	151 16 33.26
♂ Eridani.				B. A. C. 1354.			
Dec. 3	CF	4 9 8.98	97 51 43.80	Nov. 18	JS	4 15 23.38	143 11 2.95
B. A. C. 1327.				22	IF	23.31	4.03
Dec. 6	IF	4 11 49.36	129 12 46.90	25	JS	23.20	3.68
γ Tauri.						4 15 23.30	143 11 3.55
Jan. 15	CF	4 12 13.51	74 41 46.91	θ Reticuli.			
16	G	13.69	44.95	Jan. 14	B	4 16 11.42	153 34 44.38
		4 12 13.60	74 41 45.93	17	IF	11.30	42.29
B. A. C. 1336.				18	B	...	42.63
Feb. 11	B	4 12 42.97	152 48 25.35			4 16 11.36	153 34 43.10
Sept. 4	CF	42.98	25.78				
		4 12 42.98	152 48 25.57				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1360.				45 Eridani.			
Dec. 3	CF	^{h m s} 4 17 3 ⁶ 5	^{° ' "} 94 3 17 ⁷ 74	Dec. 3	CF	^{h m s} 4 25 4 ² 22	^{° ' "} 90 19 55 ⁰ 01
27	CF	3 ⁶ 9	15 ⁴ 41	6	IF	4 ⁴ 40	51 ⁸ 3
		4 17 3 ⁶ 7	94 3 16 ⁵ 58	27	CF	(4 ⁷ 76)	(62 ⁷ 72)
						4 25 4 ³ 1	90 19 53 ⁴ 2
η Reticuli.				α Tauri.			
Sept. 4	CF	4 20 27 ⁴ 41	153 42 9 ⁵ 58	Jan. 14	B	...	73 45 38 ⁷ 1
ε Tauri.				30	CF	4 28 17 ³ 36	...
Jan. 10	IF	4 20 51 ² 29	71 6 60 ¹ 16	Feb. 4	CF	17 ⁶ 63	...
15	CF	51 ² 23	...	12	IF	17 ⁵ 52	38 ⁸ 2
30	CF	51 ¹ 14	...	13	CF	...	36 ⁹ 0
Feb. 4	CF	51 ¹ 13	59 ⁴ 46	Aug. 23	IF	...	38 ⁸ 2
Sept. 18	B	...	59 ⁸ 7	Sept. 5	JS	17 ⁵ 51	...
19	G	51 ² 26	62 ² 0	18	B	...	38 ⁴ 7
Oct. 16	B	...	60 ³ 36	19	G	17 ⁴ 44	38 ⁰ 8
29	CF	51 ¹ 16	...	Oct. 16	B	...	38 ⁸ 7
Nov. 12	JS	51 ² 23	...	29	CF	17 ⁴ 49	...
20	CF	51 ¹ 14	...	Nov. 12	JS	17 ⁴ 48	38 ⁸ 7
21	B	51 ⁰ 04	...	13	CF	...	36 ⁵ 53
22	IF	51 ⁰ 06	...	20	CF	17 ⁴ 40	...
26	IF	51 ¹ 20	...	21	B	17 ³ 39	...
Dec. 9	G	...	61 ⁶ 66	22	IF	17 ⁴ 47	...
10	CF	51 ² 27	60 ³ 33	25	JS	17 ⁴ 47	...
20	CF	51 ² 25	...	26	IF	17 ⁵ 50	...
		4 20 51 ¹ 18	71 7 0 ⁵ 58	Dec. 6	IF	17 ⁴ 44	...
B. A. C. 1387 (as one mass).				9	G	...	38 ⁵ 7
Dec. 18	IF	4 21 36 ⁴ 46	147 22 23 ⁸ 5	10	CF	17 ⁴ 42	36 ⁹ 1
23	IF	...	22 ⁰ 08	20	CF	17 ³ 32	...
		4 21 36 ⁴ 46	147 22 22 ⁹ 7			4 28 17 ⁴ 46	73 45 38 ¹ 14
				B. A. C. 1422.			
Sept. 4	CF	4 28 17 ³ 39	120 2 17 ⁵ 57				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1422—continued.				B. A. C. 1489.			
Sept. 20	OF	^{h m s} 4 28 17.64	120° 2' 13".25	Dec. 16	B	^{h m s}	149° 58' 37".86
Dec. 13	JS	17.48	14.91	20	CF	4 42 21.10	37.57
		4 28 17.50	120 2 15.24			4 42 21.10	149 58 37.72
B. A. C. 1427.				B. A. C. 1498.			
Dec. 18	IF	4 29 23.90	93 53 11.74	Dec. 27	CF	4 44 12.01	106 26 58.75
23	IF	23.89	10.40				
		4 29 23.90	93 53 11.07				
B. A. C. 1433.				B. A. C. 1503.			
Jan. 8	IF	4 30 22.87	120 50 9.38	Dec. 18	IF	4 45 1.53	149 22 21.25
9	JS	22.79	10.95	23	IF	1.30	20.79
10	IF	22.79	9.72			4 45 1.42	149 22 21.02
		4 30 22.82	120 50 10.02				
τ Tauri.				♂ Orionis.			
Feb. 12	IF	4 34 15.97	67 18 3.02	Jan. 16	G	4 48 53.81	76 41 53.28
13	CF	15.92	0.98	17	JS	53.75	53.70
		4 34 15.95	67 18 2.00	Nov. 12	JS	53.68	53.39
				13	CF	53.78	52.62
						4 48 53.76	76 41 53.25
β Coeli.				B. A. C. 1548.			
Sept. 4	CF	4 37 21.23	127 24 19.65	Dec. 17	JS	4 53 18.89	156 53 16.14
B. A. C. 1469.				20	CF	18.74	14.18
Dec. 27	CF	4 38 51.25	93 30 0.46			4 53 18.82	156 53 15.16
λ Pictoris.				63 Eridani.			
Jan. 7	B	4 39 22.08	140 43 56.68	Dec. 27	CF	4 53 32.84	100 27 35.25

156 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ψ Eridani.				β Mensæ.			
Dec. 18	IF	^{h m s} 4 54 59.72	97° 22' 15".96	Dec. 20	CF	^{h m s} 5 4 26.98	161° 29' 48".46
23	IF	59.58	16.00	B. A. C. 1618.			
		4 54 59.65	97 22 15.98	Feb. 4	CF	5 7 9.65	...
ι Orionis.				Oct. 10	B	9.59	98 18 22.97
Jan. 16	G	4 56 58.32	74 47 0.33			5 7 9.62	98 18 22.97
17	JS	58.29	1.10	β Orionis.			
		4 56 58.31	74 47 0.72	Jan. 25	IF	...	98 21 27.49
B. A. C. 1587.				29	IF	...	26.35
Sept. 9	B	...	165 8 22.66	Feb. 4	CF	5 8 8.77	26.08
12	JS	4 59 1.66	22.47	6	IF	9.04	28.18
Dec. 17	JS	...	22.84	11	B	8.84	...
		4 59 1.66	165 8 22.66	12	IF	8.79	25.76
ϵ Leporis.				19	IF	8.74	25.00
Jan. 7	B	...	112 33 5.57	25	B	8.73	...
Feb. 4	OF	4 59 49.88	...	Mar. 7	IF	...	25.13
11	B	49.69	...	June 5	G	8.77	...
12	IF	49.87	6.09	Sept. 19	G	8.79	...
25	B	49.89	...	Dec. 10	CF	8.81	...
Nov. 12	JS	49.89	...	27	CF	8.79	...
25	JS	49.84	...			5 8 8.81	98 21 26.28
Dec. 10	CF	49.82	...	B. A. C. 1652.			
27	CF	49.98	...	Dec. 20	CF	5 12 34.95	142 19 48.55
		4 59 49.86	112 33 5.83	α Orionis.			
β Eridani.				Dec. 27	CF	5 14 58.36	90 30 55.25
Dec. 18	IF	5 1 18.86	95 15 37.95				
23	IF	18.80	38.32				
		5 1 18.83	95 15 38.14				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ζ Pictoris.				δ Orionis.			
Oct. 10	B	^{h m s} 5 16 6.46	140° 44' 59".93	Jan. 25	IF	^{h m s}	90° 23' 60".20
Dec. 18	IF	6.41	59.71	29	IF	...	61.13
23	IF	6.29	59.48	Feb. 4	CF	5 25 12.70	...
		5 16 6.39	140 44 59.71	6	IF	12.74	60.08
β Tauri.				11	B	12.69	...
Feb. 19	IF	5 17 53.05	61 30 27.81	12	IF	12.73	59.70
25	B	53.13	...	14	IF	12.64	60.57
Mar. 7	IF	...	27.36	19	IF	12.78	59.21
Dec. 10	CF	53.13	...	25	B	12.74	...
		5 17 53.10	61 30 27.59	Mar. 4	B	12.69	...
B. A. C. 1697.				5	IF	12.79	59.91
Dec. 16	B	5 18 53	150 54 37.15	7	IF	...	60.65
B. A. C. 1708.				Sept. 12	JS	12.71	...
Dec. 27	CF	5 20 53.14	102 0 53.20	Dec. 20	CF	12.71	...
B. A. C. 1710.				27	CF	12.78	...
Dec. 17	JS	5 20 57.97	134 20 43.23	B. A. C. 1756.			
18	IF	58.14	40.80	Oct. 10	B	5 28 22.68	128 36 26.92
23	IF	57.89	42.79	ε Orionis.			
		5 20 58.00	134 20 42.27	Feb. 4	CF	5 29 27.90	...
119 Tauri.				11	B	27.93	...
Oct. 16	B	5 24 25.23	71 30 26.71	14	IF	27.92	91 17 22.50
Dec. 10	OF	24.89	26.63	25	B	27.93	...
11	IF	25.10	25.03	Mar. 4	B	27.88	...
		5 24 25.07	71 30 26.12	5	IF	27.91	21.62
				Dec. 20	CF	28.02	...
				27	CF	28.03	...
						5 29 27.94	91 17 22.06

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ζ Tauri.				μ Columbæ.			
Mar. 13	CF	^{h m s} 5 29 41.83	68° 56' 27.93	Mar. 7	IF	^{h m s} 5 41 3.55	122° 21' 31.06
Sept. 19	G	41.68	26.24	κ Orionis.			
Oct. 16	B	41.81	29.52	Dec. 27	CF	5 41 26.96	99 43 8.86
Nov. 13	CF	41.81	27.36	β Pictoris.			
14	IF	41.74	28.20	Mar. 4	B	5 44 8.11	141 6 56.25
Dec. 10	CF	41.95	28.62	γ Orionis.			
		5 29 41.80	68 56 27.98	Dec. 20	CF	5 44 56.75	97 33 19.46
ζ Orionis.				δ Doradus.			
Dec. 27	CF	5 34 3.05	92 0 51.86	Feb. 4	CF	...	155 47 8.15
α Columbæ.				11	B	5 45 31.84	6.77
Jan. 18	B	...	124 8 46.88	Oct. 10	B	32.20	8.02
25	IF	...	48.45			5 45 32.00	155 47 7.65
29	IF	...	46.70	χ^1 Orionis.			
Feb. 4	CF	5 34 50.07	...	Feb. 13	CF	5 46 30.60	69 45 3.89
6	IF	49.89	48.75	Sept. 19	G	30.21	5.24
11	B	49.81	...	20	CF	...	4.42
12	IF	49.90	47.96			5 46 30.41	69 45 4.52
13	CF	49.86	...	B. A. C. 1836.			
14	IF	49.85	48.15	Dec. 16	B	5 39 55	135 53 41.64
Mar. 4	B	49.77	...	B. A. C. 1890.			
5	IF	49.99	47.47	Feb. 4	CF	5 47 52.69	142 8 24.77
7	IF	50.15	47.59				
13	CF	50.12	...				
Apr. 29	G	49.94	...				
Dec. 11	IF	50.00	...				
		5 34 49.95	124 8 47.74				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Orionis.				ν Orionis.			
Jan. 31	IF	$\begin{matrix} h & m & s \\ & & \dots \end{matrix}$	$82^{\circ} 37' 12'' 74$	Jan. 17	JS	$\begin{matrix} h & m & s \\ & & \dots \end{matrix}$	$75^{\circ} 13' 5'' 11$
Feb. 6	IF	5 47 58.16	13.54	31	IF	...	5.13
12	IF	58.35	12.44	Feb. 4	CF	...	5.04
19	IF	58.34	12.03	6	IF	5 59 58.76	4.87
21	IF	58.29	10.68	13	CF	...	4.11
Mar. 5	IF	58.24	13.59	14	IF	58.74	5.84
		5 47 58.28	82 37 12.50	19	IF	58.77	4.06
α Orionis Reflexion.				21	IF	58.78	4.21
May 10	CF	...	82 37 15.56	25	B	58.81	...
λ Columbae.				Mar. 4	B	58.76	...
Jan. 14	B	5 48 17.15	123 49 56.91	5	IF	58.67	(1.57)
Feb. 25	B	17.14	57.94	7	IF	...	4.20
27	B	17.17	54.54	Nov. 13	CF	...	3.21
Mar. 4	B	17.05	56.94	14	IF	...	4.89
		5 48 17.13	123 49 56.58			5 59 58.76	75 13 4.61
η Leporis.				η Geminorum.			
Dec. 20	CF	5 50 20.95	104 11 36.81	Jan. 17	JS	6 6 50.89	67 27 25.95
27	CF	20.69	38.49	18	CF	50.96	25.60
		5 50 20.82	104 11 37.65	Apr. 10	JS	51.15	27.26
γ Monocerotis.						6 6 51.00	67 27 26.27
Dec. 20	CF	5 55 34.98	100 36 8.46	B. A. C. 2013.			
27	CF	35.15	12.38	Mar. 5	IF	6 7 42.31	144 56 23.80
		5 55 35.07	100 36 10.42	7	IF	42.75	22.24
μ Geminorum.						6 7 42.53	144 56 23.02
Jan. 17	JS	6 14 54.88	67 25 17.25	μ Geminorum.			
18	CF	...	14.11	Jan. 17	JS	6 14 54.88	67 25 17.25
25	IF	...	15.05	18	CF	...	14.11
		...	...	25	IF	...	15.05

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
μ Geminorum— <i>continued.</i>				γ Geminorum.			
Feb. 6	IF	^{h m s} 6 14 54.73	^{° ′ ″} 67 25 16.14	Feb 14	IF	^{h m s} 6 30 1.69	^{° ′ ″} 73 29 23.29
11	B	54.90	...	15	JS	...	24.37
14	IF	54.89	15.02	21	IF	1.71	23.71
18	B	...	14.10	Mar. 4	B	1.70	...
19	IF	54.85	15.48	5	IF	1.61	23.19
21	IF	54.85	15.78	14	JS	...	24.15
25	B	54.72	14.94	Apr. 11	CF	1.68	...
26	IF	...	14.63	Dec. 11	IF	...	23.42
27	B	...	14.67			6 30 1.68	73 29 23.69
Mar. 4	B	54.87	13.91	ϵ Geminorum.			
5	IF	54.95	16.72	Feb. 6	IF	6 35 45.05	64 44 24.82
14	JS	...	15.29	9	IF	...	(29.18)
Apr. 10	JS	...	16.88	10	IF	...	26.75
Sept. 21	IF	...	16.16	11	B	...	23.18
Dec. 11	IF	...	16.73	12	IF	...	25.60
		6 14 54.85	67 25 15.46	13	CF	...	23.21
α Argûs.				15	JS	44.86	...
Mar. 26	CF	6 21 0.00	142 37 23.94	18	B	45.08	25.00
Apr. 2	CF	0.13	26.53			6 35 45.00	64 44 24.76
17	B	0.06	...	ξ Geminorum.			
May 10	CF	...	25.52	Feb. 14	IF	6 37 49.52	76 57 47.43
17	CF	...	24.51	15	JS	49.51	48.26
		6 21 0.06	142 37 25.13	Nov. 14	IF	49.57	47.16
α Argûs (Reflexion).						6 37 49.53	76 57 47.62
May 10	CF	...	142 37 28.04	α Canis Majoris.			
17	CF	...	28.43	Jan. 7	JS	6 39 17.11	106 32 8.89
		...	142 37 28.24	9	B	16.93	7.73
B. A. C. 2109.							
Mar. 7	IF	6 23 14.40	122 29 50.36				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>α Canis Majoris—continued.</i>				<i>α Canis Majoris—continued.</i>			
Jan. 22	B	^{h m s} 6 39 17.14	106° 32' 9".95	Aug. 4	G	^{h m s} 6 39 17.26	° ' "
23	IF	...	8.14	6	CF	...	106 32 9.03
24	B	...	10.35	9	CF	...	8.74
Feb. 21	IF	17.01	9.80	Sept. 20	CF	17.06	8.02
26	IF	17.15	9.64	Dec. 11	IF	17.18	...
27	B	16.95	...			6 39 17.08	106 32 9.02
Mar. 4	B	16.97	...	<i>α Canis Majoris (Reflexion).</i>			
5	IF	17.05	7.60	Mar. 14	JS	...	106 32 10.64
13	CF	17.11	8.21	30	G	...	11.89
14	JS	...	9.48	Apr. 3	JS	...	10.97
15	CF	17.00	6.12	12	IF	...	10.01
23	IF	...	9.62	24	IF	...	10.06
25	G	...	10.32	25	JS	...	10.40
26	CF	17.05	9.23	May 10	CF	...	11.29
27	IF	...	9.74	18	IF	...	9.87
28	JS	...	9.93	20	IF	...	9.42
30	G	...	10.02			...	106 32 10.51
Apr. 2	CF	17.12	8.74	<i>α Puppia.</i>			
3	JS	...	9.50	Mar. 5	IF	6 42 48.26	127 47 2.72
4	G	...	7.34	<i>Δ Carinae.</i>			
5	CF	17.18	8.38	Mar. 4	B	6 46 57.83	143 28 3.77
8	B	17.06	8.48	<i>37 Geminorum.</i>			
10	JS	17.01	9.79	Feb. 4	CF	6 47 7.84	64 27 37.47
11	CF	17.08	8.81	5	JS	...	38.67
12	IF	...	10.33			6 47 7.84	64 27 38.07
15	B	...	8.15				
17	B	...	9.62				
23	B	17.15	8.56				
25	JS	...	8.93				
29	G	...	8.41				
May 6	G	...	9.75				
10	CF	...	8.86				
17	CF	17.11	9.08				
18	IF	...	9.24				
20	IF	...	10.14				
July 28	G	...	9.21				

162 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
39 Geminorum.				ζ Geminorum—continued.			
Jan. 24	JS	h m s	63° 44' 49".70	Apr. 10	JS	h m s	69° 14' 14".95
28	B	...	49.73	11	CF	...	16.19
29	IF	...	56.23	Nov. 14	IF	6 56.13.33	16.72
30	CF	6 50 35.55	48.82	15	JS	13.18	14.96
31	IF	...	49.05			6 56 13.21	69 14 15.19
Feb. 2	G	...	48.72	γ Canis Majoris.			
		6 50 35.55	63 44 49.38	Jan. 4	IF	...	105 26 18.23
ε Canis Majoris.				30	CF	6 57 44.50	...
Jan. 18	CF	6 53 24.05	...	Feb. 21	IF	44.51	19.36
30	CF	23.93	...	Apr. 2	CF	...	19.98
Feb. 21	IF	23.83	118 47 35.05	3	JS	...	20.44
26	IF	...	33.58	5	CF	...	18.69
Mar. 28	JS	...	35.65			6 57 44.51	105 26 19.34
30	G	...	34.18	...			
Apr. 2	CF	...	32.96	47 Geminorum.			
5	CF	...	37.20	Jan. 16	G	7 3 8.14	62 55 38.90
10	JS	...	34.69	18	CF	8.27	40.41
11	CF	23.82	...	19	JS	8.08	40.28
24	IF	...	34.43	22	B	8.25	40.20
29	G	...	33.97	23	IF	...	40.19
May 18	IF	...	33.47	Feb. 4	CF	8.05	40.45
20	IF	...	34.16	5	JS	...	38.20
		6 53 23.91	118 47 34.49	6	IF	7.85	38.76
B. A. C. 2295.				9	IF	...	42.99
Mar. 5	IF	6 53 32.95	123 55 58.46	10	IF	...	40.70
ζ Geminorum.				11	B	...	39.10
Jan. 18	CF	...	69 14 13.13	12	IF	...	40.49
19	JS	6 56 13.13	15.16	13	CF	...	38.66
				14	IF	8.30	40.01
				15	JS	8.02	39.13

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
47 Geminorum—continued.				8 Geminorum—continued.			
Feb. 25	B	^h 7 ^m 3 ^s 8.17	62° 55' 38".81	Mar. 15	CF	^h 7 ^m 12 ^s 10.71	67° 46' 32".01
27	B	8.06	39.47	Apr. 10	JS	...	31.93
		7 3 8.12	62 55 39.81	11	CF	10.73	31.73
B. A. C. 2392.				Nov. 15	JS	...	31.40
Jan. 7	JS	7 9 14.57	134 57 8.96			7 12 10.75	67 46 31.66
9	B	14.81	9.96	B. A. C. 2427.			
Feb. 5	JS	...	9.63	Apr. 3	JS	7 14 1	128 58 6.70
		7 9 14.69	134 57 9.52	A Geminorum.			
γ ¹ Volantis.				Jan. 7	JS	...	64 41 47.78
Feb. 27	B	7 9 49.50	160 16 50.29	8	G	7 15 21.89	45.58
Mar. 4	B	49.10	50.16	9	B	21.83	46.81
		7 9 49.30	160 16 50.23	10	G	21.84	47.44
γ ² Volantis.				11	JS	21.88	46.90
Feb. 27	B	7 9 51.80	160 16 56.21	14	JS	21.85	48.11
Mar. 4	B	51.44	54.51	15	CF	...	47.40
Apr. 23	B	...	54.63	17	JS	21.93	47.81
		7 9 51.62	160 16 55.12	23	IF	...	48.88
8 Geminorum.				24	JS	...	48.77
Jan. 4	IF	...	67 46 29.40	28	B	...	46.63
18	CF	...	30.80	29	IF	...	48.98
19	JS	...	32.32	30	CF	21.98	46.80
Feb. 25	B	7 12 10.80	32.47	Feb. 2	G	...	47.15
Mar. 14	JS	...	32.89			7 15 21.89	64 41 47.50
				σ Argus.			
				Apr. 3	JS	...	133 2 0.41
				8	B	7 25 0.76	0.52
				23	B	0.78	0.60
						7 25 0.77	133 2 0.51

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2484.				α Canis Minoris—continued.			
Jan. 30	B	^{h m s} 7 25 32.26	120° 41' 22.32	May 2	CF	^{h m s}	84° 26' 11.16
α^2 Geminorum.				Aug. 6	G	7 32 20.38	...
Apr. 11	CF	7 26 6.54	57 49 21.18	12	G	20.57	...
May 2	CF	...	21.92	Nov. 15	JS	20.30	...
		7 26 6.54	57 49 21.55			7 32 20.37	84 26 11.16
ν Geminorum.				B. A. C. 2528.			
Jan. 16	G	7 27 43.38	62 48 44.15	Apr. 8	B	7 33 2.88	127 42 45.95
17	JS	43.44	44.21	10	JS	2.82	46.69
18	CF	43.51	41.15			7 33 2.85	127 42 46.32
19	JS	43.38	41.38	B. A. C. 2530.			
22	B	43.56	42.85	Jan. 30	B	...	116 30 0.47
		7 27 43.45	62 48 42.75	Feb. 27	B	7 33 22.28	2.29
B. A. C. 2514.				Mar. 4	B	22.19	5.67
Jan. 4	IF	7 31 9	65 28 43.56	6	JS	22.15	3.10
f Geminorum.				Apr. 3	JS	...	3.37
Mar. 14	JS	7 31 47.63	72 1 30.30	23	B	22.38	2.09
15	CF	47.65	30.22			7 33 22.25	116 30 2.83
		7 31 47.64	72 1 30.13	B. A. C. 2531.			
α Canis Minoris.				Jan. 30	B	...	116 30 8.33
Jan. 16	G	7 32 20.31	...	Feb. 27	B	7 33 22.75	11.04
Feb. 16	G	20.31	...	Mar. 4	B	...	12.28
				6	JS	22.53	10.80
				Apr. 3	JS	...	11.02
				23	B	22.83	9.97
						7 33 22.70	116 30 10.57

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Geminorum.				B. A. C. 2644.			
Jan. 10	G	^{h m s} 7 35.60.01	63° 54' 57.78"	Mar. 6	JS	^{h m s} 7 49 23.63	137° 45' 26.16"
11	JS	59.98	5.17	γ Cancri.			
14		60.06	7.11	Feb. 15	JS	7 49 26.24	73 51 24.64
15	CF	...	7.13	16	G	26.16	25.11
		7 36 0.02	63 54 6.30			7 49 26.20	73 51 24.88
β Geminorum.				Lacaille 3088.			
Mar. 15	CF	7 37 10.45	...	Jan. 11	JS	7 51 52.84	142 33 4.89
May 2	CF	...	61 39 18.35	14	JS	53.10	6.42
		7 37 10.45	61 39 18.35			7 51 52.97	142 33 5.66
B. A. C. 2575.				B. A. C. 2655.			
Apr. 10	JS	7 39 49.99	127 37 25.35	Apr. 23	B	7 52 22.01	119 58 40.97
B. A. C. 2607.				B. A. C. 2670.			
Jan. 14	JS	7 43 26.45	162 17 9.35	Feb. 5	JS	...	138 53 5.58
16	B	26.44	7.19	25	B	7 54 25.02	6.61
Feb. 27	B	26.17	9.08	Mar. 6	JS	24.84	5.38
		7 43 26.35	162 17 8.54			7 54 24.93	138 53 5.86
B. A. C. 2602.				δ Geminorum.			
Feb. 25	B	7 43 42.02	114 31 38.12	Jan. 7	JS	...	62 53 32.10
Mar. 6	JS	41.79	39.75	8	G	7 45 21.15	32.75
		7 43 41.91	114 31 38.94	9	B	21.24	31.84
ϕ Geminorum.						7 45 21.20	62 53 32.23
Jan. 7	JS	...	62 53 32.10	Mar. 15	CF	7 55 20.74	...
8	G	7 45 21.15	32.75	Apr. 11	CF	20.87	...
9	B	21.24	31.84			7 55 20.81	61 50
		7 45 21.20	62 53 32.23				

166 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
8 Cancri.				B. A. C. 2754.			
Feb. 15	JS	^{h m s} 7 57 39.87	76° 36' 17".90	Jan. 7	JS	^{h m s} ... 136° 57' 13".50	
16	G	39.85	18.68	11	JS	8 5 23.53	16.11
		7 57 39.86	76 30 18.29	14	JS	23.68	16.93
μ^2 Cancri.				30	B	...	16.44
Nov. 15	JS	7 59 56.14	68 2 5.94	31	JS	23.60	16.07
16	IF	...	6.08			8 5 23.60	136 57 15.81
		7 59 56.14	68 2 6.01	B. A. C. 2755.			
12 Cancri.				Jan. 7	JS	8 5 25.94	136 56 41.63
Apr. 11	CF	8 1 16.40	75 58	11	JS	...	45.14
15 Argûs.				30	B	26.14	45.39
Mar. 15	CF	8 1 52.72	...			8 5 26.04	136 56 44.05
Apr. 30	JS	...	113 55 21.36	B. A. C. 2769.			
		8 1 52.72	113 55 21.36	Apr. 23	B	8 7 13.35	105 23 20.18
ψ^2 Cancri.				B. A. C. 2773.			
Jan. 4	IF	8 2 26	64 5 31.10	Jan. 16	B	8 7 29.33	158 13 34.85
ζ^1 Cancri.				Feb. 5	JS	...	33.71
Jan. 19	JS	8 4 34.94	71 57 11.86	15	JS	29.51	32.93
Apr. 11	CF	35.00	...	25	B	28.99	35.79
Nov. 15	JS	34.95	11.90	Apr. 10	JS	29.10	33.64
		8 4 34.96	71 57 11.88			8 7 29.23	158 13 34.18
...				B. A. C. 2774.			
				Mar. 6	JS	8 8 28.15	125 29 56.85

Royal Observatory, Cape of Good Hope, in 1867. 167

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
A Octantis.				B. A. C. 2870.			
Apr. 23	B	h m s ...	178° 28' 42" 94	Jan. 14	JS	h m s 8 24 35' 21	167° 3' 14" 06
29	G	...	40' 60	16	B	34' 23	13' 58
May 5	JS	...	41' 54			8 24 34' 72	167 3 13' 82
		8 15 50	178 28 41' 69	η Cancri.			
A Octantis S.P.				Jan. 4	IF	...	69 6(30' 56)
Apr. 23	JS	...	178 28 44' 11	15	IF	...	32' 85
24	OF	...	44' 37	19	JS	...	32' 35
May 2	JS	...	43' 47	20	CF	8 25 0' 98	33' 42
		...	178 28 43' 98	Mar. 15	CF	0' 91	35' 86
						8 25 0' 95	69 6 33' 62
B. A. C. 2823.				B. A. C. 2947.			
Jan. 31	JS	8 18 26' 42	138 3 51' 41	Jan. 4	IF	...	136 10 35' 91
Feb. 5	JS	...	51' 83	7	JS	8 36 12' 99	34' 88
15	JS	26' 29	50' 94	11	JS	12' 97	35' 73
27	B	26' 16	52' 91	14	JS	12' 91	36' 73
		8 18 26' 29	138 3 51' 77			8 36 12' 96	136 10 35' 81
B. A. C. 2832.				B. A. C. 2950.			
Apr. 9	IF	...	149 4 56' 13	Jan. 15	IF	8 36 28' 93	142 27 2' 17
16	JS	8 19.47' 03	55' 09	16	B	29' 09	0' 20
		8 19 47' 03	149 4 55' 61	31	JS	29' 14	2' 02
B. A. C. 2849.				Mar. 6	JS	28' 81	1' 49
Jan. 7	JS	8 21 55' 17	166 29 50' 85			8 36 28' 99	142 27 1' 47
9	B	55' 23	53' 68	δ Cancri.			
11	JS	55' 12	51' 65	Feb. 16	G	8 37 7' 43	71 21 30' 80
Mar. 6	JS	54' 76	52' 95	Mar. 15	CF	7' 40	33' 32
		8 21 55' 07	166 29 52' 28	16	G	7' 56	31' 66

168 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♂ Cancri—continued.				B. A. C. 3023—continued.			
May 9	CF	^{h m s} 8 37 7.33	71° 21' 31".25	Jan. 11	JS	^{h m s} 8 45.46.08	168° 28' 46".24
10	JS	7.39	31.04	14	JS	46.83	45.18
Nov. 16	IF	...	33.60			8 45 46.55	168 28 44.80
17	IF	...	32.87				
		8 37 7.42	71 21 32.08	α Cancri.			
B. A. C. 2962.				Feb. 16	G	8 51 12.64	77 37 45.07
				17	CF	...	46.23
Apr. 9	IF	8 37 40	149 17 14.06	Apr. 12	IF	12.80	44.08
				13	JS	12.60	45.63
ε Hydrae.				Nov. 16	IF	...	47.50
Jan. 20	CF	8 39 43.79	83 6			8 51 12.68	77 37 45.70
B. A. C. 2979.				B. A. C. 3110.			
Jan. 16	B	8 41 2.03	144 13 17.57	Jan. 7	JS	8 59 34.21	136 34 7.44
Mar. 6	JS	1.73	19.25	11	JS	34.20	8.25
		8 41 1.88	144 13 18.41	14	JS	34.34	9.76
				31	JS	34.32	7.88
B. A. C. 2981.						8 59 34.27	136 34 8.33
Feb. 27	B	8 41 31.05	135 33 22.72	B. A. C. 3114.			
Apr. 16	JS	31.24	22.54	Jan. 16	B	9 0 20.25	155 51 54.98
		8 41 31.15	135 33 22.63	28	JS	...	54.75
B. A. C. 3023.				Feb. 11	JS	20.18	54.65
Jan. 4	IF	...	168 28(39.49)	13	B	20.35	57.02
7	JS	8 45 46.87	42.97			9 0 20.26	155 51 55.35
9	B	46.42	...	κ Cancri.			
				Apr. 12	IF	9 0 32.64	78 47 53.44
				13	JS	32.49	54.36
						9 0 32.57	78 47 53.90

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3126.				B. A. C. 3163—continued.			
Mar. 6	JS	^{h m s} 9 3 6.21	132° 53' 47".66	Mar. 6	JS	^{h m s} 9 10 22.06	128° 0' 60".50
Apr. 9	IF	...	48.03	Apr. 9	IF	...	59.64
16	JS	6.43	49.02			9 10 22.12	128 0 59.16
		9 3 6.32	132 53 48.24	83 Cancri.			
B. A. C. 3130.				Jan. 20	CF	9 11 33.34	71 43 58.15
Apr. 24	IF	9 4 18.39	119 49 25.42	23	G	33.34	...
B. A. C. 3136.						9 11 33.34	71 43 58.15
Jan. 16	B	9 4 46.39	162 4 3.03	β Argūs.			
28	JS	...	1.47	Feb. 13	B	9 11 43.81	159 10 9.04
Apr. 13	JS	46.67	3.04	Apr. 24	IF	44.01	11.74
		9 4 46.53	162 4 2.51	Nov. 5	G	...	9.15
B. A. C. 3149.				15	JS	43.75	9.96
Jan. 30	B	9 7 27.99	148 25 22.90	16	IF	...	9.75
31	JS	28.24	22.45	17	IF	...	9.54
Feb. 4	IF	27.90	21.37	18	JS	43.56	...
		9 7 28.04	148 25 22.24			9 11 43.78	159 10 9.86
B. A. C. 3152.				β Argūs S.P.			
Feb. 27	B	9 8 15.30	151 46 18.21	Oct. 24	JS	...	159 10 (15.88)
Apr. 16	JS	15.09	18.98	29	OF	...	9.80
		9 8 15.20	151 46 18.60	Nov. 1	JS	...	10.26
B. A. C. 3163.						...	159 10 10.03
Jan. 16	B	9 10 22.18	128 0 57.35	γ Argūs.			
				Jan. 15	IF	9 13 31.85	148 43 6.34
				Feb. 27	B	31.72	4.02

170 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>ε Argus—continued.</i>				<i>B. A. C. 3195—continued.</i>			
Apr. 13	JS	^{h m s} 9 13 31.79	148° 43' 5".52	Jan. 28	JS	^{h m s}	115° 24' 2".74
15	JS	31.94	5.67	31	JS	9 15 36.38	1.20
		9 13 31.83	148 43 5.39			9 15 36.21	115 24 1.44
<i>B. A. C. 3187.</i>				<i>α Hydra.</i>			
Jan. 30	B	9 13 40.49	140 29 34.47	Jan. 8	G	...	98 4 60.04
Feb. 4	IF	40.53	32.52	20	OF	9 21 3.07	...
11	JS	40.48	32.62	23	G	3.19	...
		9 13 40.50	140 29 33.20	Feb. 4	IF	...	59.81
<i>ζ Octantis.</i>				Apr. 12	IF	...	60.71
May 17	JS	...	175 7 30.67	24	IF	...	60.67
20	JS	...	32.67	May 17	JS	...	60.49
22	OF	9 15 25.07	30.50	22	OF	3.20	...
23	G	24.82	...	Sept. 19	G	3.06	...
		9 15 24.95	175 7 31.28			9 21 3.13	98 5 0.34
<i>ζ Octantis S.P.</i>				<i>λ Leonis.</i>			
May 14	G	...	175 7 34.66	Jan. 20	OF	9 24 49.79	79 41 56.78
16	G	9 15 25.38	36.54	Mar. 16	G	49.78	58.02
17	OF	24.95	(38.30)	17	G	49.72	56.60
22	OF	24.56	33.49			9 24 49.76	79 41 57.13
		9 15 24.96	175 7 34.90	<i>B. A. C. 3257.</i>			
<i>B. A. C. 3195.</i>				Feb. 11	JS	9 25 27.95	129 53.7.31
Jan. 7	JS	9 15 36.30	115 24 1.20	<i>B. A. C. 3269.</i>			
8	G	35.91	0.21	Jan. 8	G	9 27 11.26	146 26 52.00
10	G	36.24	1.85	10	G	10.89	54.23

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3269—continued.				π Leonis.			
Jan. 11	JS	^{h m s} 9 27 10.86	146° 26' 54".44	Jan. 15	IF	...	81° 19' 6".38
17	JS	11.01	53.08	20	CF	9 53 11.05	...
		9 27 11.01	146 26 53.44	22	CF	11.04	...
B. A. C. 3289.				Feb. 4	IF	...	7.93
Jan. 15	IF	9 30 35.25	148 38 14.66	15	CF	11.12	...
16	B	35.35	14.47	Apr. 13	JS	...	9.87
31	JS	35.49	14.16	14	CF	11.05	7.60
Feb. 11	JS	35.01	13.38	24	IF	...	8.28
13	B	35.16	14.08	May 10	JS	...	6.54
		9 30 35.25	148 38 14.15	22	CF	11.07	...
B. A. C. 3300.						9 53 11.07	81 19 7.77
Jan. 8	G	9 32 4.38	138 45 35.65	α Leonis.			
10	G	4.10	35.35	Jan. 15	IF	...	77 22 60.30
11	JS	4.20	35.32	20	CF	10 1 17.13	61.60
17	JS	4.28	36.52	22	CF	17.14	60.55
Mar. 6	JS	3.98	35.90	Feb. 4	IF	...	59.07
		9 32 4.19	138 45 35.75	15	CF	17.27	...
ε Leonis.				Mar. 17	G	...	60.77
Jan. 20	CF	9 34 3.06	79 30 14.80	18	JS	...	61.86
Mar. 16	G	2.95	14.33	Apr. 13	JS	...	62.91
17	G	2.96	13.36	14	CF	17.00	61.48
		9 34 2.99	79 30 14.16	24	IF	...	61.22
ε Leonis.				May 10	JS	...	61.10
Jan. 20	CF	9 38 17.81	...	Sept. 19	G	17.10	...
22	CF	17.82	...	Nov. 17	IF	...	61.66
		9 38 17.82	65 37			10 1 17.13	77 23 1.14
ε Leonis.				C. G. A. 13822.			
Jan. 8	G	10 2 39.34	120 27 5.89	Jan. 8	G	10 2 39.34	120 27 5.89
10	G	39.32	6.74	10	G	39.32	6.74
17	JS	39.56	6.13	17	JS	39.56	6.13
		10 2 39.41	120 27 6.25			10 2 39.41	120 27 6.25

172 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3516.				B. A. C. 3552.			
Feb. 15	OF	^{h m s} 10 10 34.13	159° 22' 39".93	Jan. 16	B	^{h m s} 10 16 37.74	130° 58' 51".72
Mar. 6	JS	34.49	40.17	Feb. 4	IF	37.49	52.84
		10 10 34.31	159 22 40.05	11	JS	37.57	52.71
						10 16 37.60	130 58 52.42
γ ¹ Leonis.				B. A. C. 3578.			
Jan. 15	IF	10 12 38.14	69 29 12.33	Mar. 6	JS	10 21 4.01	120 23 28.37
18	CF	38.14	...				
20	OF	38.17	...				
22	CF	38.15	...				
Feb. 6	G	38.35	...				
11	JS	38.28	...				
Mar. 5	G	38.12	...				
6	JS	38.23	...				
Apr. 14	OF	38.35	...				
		10 12 38.21	69 29 12.33				
B. A. C. 3526.				B. A. C. 3585.			
Apr. 24	IF	10 12 39.03	150 40 4.97	Feb. 15	CF	10 21 44.84	163 21 17.21
				May 27	JS	44.96	17.42
				June 3	JS	44.94	17.80
				6	B	44.45	17.90
						10 21 44.80	163 21 17.58
B. A. C. 3536.				B. A. C. 3586.			
June 3	JS	10 14 37.32	144 21 43.36	Jan. 16	B	10 23 13.96	155 1 36.57
				18	OF	...	35.37
				20	CF	...	37.54
				Feb. 11	JS	13.87	36.79
						10 23 13.91	155 1 36.57
B. A. C. 3546.				ρ Leonis.			
Jan. 8	G	10 15 58.35	145 22 25.81	Jan. 15	IF	..	80 0 34.85
10	G	58.02	25.75	22	CF	10 25 48.39	34.14
		10 15 58.19	145 22 25.78	Feb. 15	OF	48.51	...
				Mar. 17	G	...	34.95
				18	JS	...	36.14

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>ρ Leonis—continued.</i>				<i>η Argūs—continued.</i>			
Apr. 24	IF	^{h m s} ...	80° 0' 35" 08	Apr. 26	B	^{h m s} ...	148° 59' 10" 06
May 12	G	...	35' 70	29	G	10 39 54' 58	8' 51
22	OF	10 25 48' 47	...	May 8	IF	54' 45	8' 01
		10 25 48' 46	80 0 35' 14	12	G	54' 56	...
B. A. C. 3655.				13	JS	54' 52	8' 15
Jan. 18	OF	10 33 41' 12	148 29 26' 27	22	OF	54' 68	9' 81
20	CF	41' 58	28' 35	27	JS	54' 58	7' 88
		10 33 41' 35	148 29 27' 31	31	JS	54' 49	...
B. A. C. 3660.				June 3	JS	54' 61	8' 15
Jan. 16	B	10 33 52' 14	167 55 5' 04	4	IF	54' 56	7' 81
Feb. 15	CF	52' 05	4' 14			10 39 54' 55	148 59 8' 41
21	JS	52' 19	3' 76	B. A. C. 3702.			
Mar. 6	JS	52' 25	4' 26	Mar. 6	JS	10 41 3' 25	138 43 4' 05
		10 33 52' 16	167 55 4' 30	<i>ζ Leonis.</i>			
<i>η Argūs.</i>				May 12	G	10 42 16	78 45 5' 77
Jan. 8	G	10 39 54' 71	148 59 6' 74	B. A. C. 3723.			
10	G	54' 31	7' 95	Feb. 15	CF	10 43 57' 76	169 46 1' 72
16	B	54' 53	10' 02	21	JS	58' 11	1' 06
20	CF	54' 42	9' 01	25	JS	57' 97	1' 74
28	JS	...	8' 51	Mar. 4	JS	58' 37	1' 08
Feb. 11	JS	54' 44	7' 12			10 43 58' 05	169 46 1' 40
Mar. 30	G	...	8' 66	B. A. C. 3724.			
Apr. 6	G	...	8' 42	May 13	JS	10 44 30' 27	169 50 19' 25
10	JS	...	8' 29	31	JS	30' 28	18' 60
14	CF	54' 54	...	June 3	JS	30' 22	19' 02
17	B	(54' 02)	...			10 44 30' 26	169 50 18' 96
24	IF	54' 77	8' 34				

174 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>δ Leonis.</i>				<i>δ Leonis.</i>			
Apr. 14	OF	^{h m s} 10 53.41.64	85° 46' 7".42	Jan. 23	G	^{h m s} 11 7 1.74	° ' "
15	G	41.47	7.90	May 8	IF	...	68 44 51.72
		10 53 41.56	85 40 7.66	13	JS	1.89	...
<i>χ Leonis.</i>						11 7 1.82	68 44 51.72
Jan. 22	OF	10 58 9.36	81 56 44.04	<i>δ Hydre.</i>			
23	G	9.36	43.72	May 8	IF	...	104 3 31.90
Feb. 15	OF	9.30	...	12	G	...	32.55
Mar. 18	JS	...	43.61	13	JS	11 12 41.62	...
Apr. 14	OF	9.54	41.27	June 3	JS	41.66	...
15	G	...	43.70			11 12 41.64	104 3 32.23
May 8	IF	...	41.99	<i>ε Leonis.</i>			
13	JS	9.33	...	Jan. 22	CF	11 14 16.68	83 14 31.80
15	IF	...	45.66	23	G	16.64	32.10
June 17	OF	9.29	...	Mar. 18	JS	16.58	32.44
		10 58 9.36	81 56 43.43	19	CF	...	30.63
<i>B. A. C. 3815.</i>						11 14 16.63	83 14 31.74
Feb. 11	JS	11 2 18.00	117 21 36.13	<i>ε Leonis.</i>			
Mar. 4	JS	18.02	35.89	May 12	G	11 23 31.18	92 16 11.95
6	JS	17.98	35.12	13	JS	30.92	12.36
May 13	JS	18.00	35.00			11 23 31.05	92 16 12.16
		11 2 18.00	117 21 35.54	<i>B. A. C. 3927.</i>			
<i>B. A. C. 3822.</i>				Mar. 4	JS	11 26 20.04	129 42 14.49
Apr. 8	B	...	121 38 42.37	<i>B. A. C. 3928.</i>			
17	B	11 3 29.90	43.24	May 8	IF	11 26 27.90	121 7 16.55
May 27	JS	30.02	42.60				
31	JS	30.06	43.85				
		11 3 29 99	121 38 43.02				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3928—continued.				β Virginia.			
June 3	JS	^{h m s} 11 26 27.94	^{° ′ ″} 121 7 18.63	Apr. 15	G	^{h m s} 11 43 46.23	^{° ′ ″} 87 29 9.09
4	IF	27.85	18.41	16	JS	...	7.71
		11 26 27.90	121 7 17.86			11 43 46.23	87 29 8.40
B. A. C. 3929.				π Virginia.			
Feb. 11	JS	11 27 8.70	129 51 11.50	Jan. 23	G	11 54 3.45	82 38 38.39
21	JS	8.64	11.49				
25	JS	8.61	10.53				
...		11 27 8.65	129 51 11.17	B. A. C. 4067.			
B. A. C. 3941.				Feb. 15	OF	11 57 29.42	152 25 29.78
...				21	JS	29.54	29.49
Feb. 15	CF	11 29 39.49	152 17 2.51	25	JS	29.38	29.76
May 27	JS	39.79	1.52	Mar. 4	JS	29.53	29.70
		11 29 39.64	152 17 2.02			11 57 29.47	152 25 29.68
ν Leonis.				B. A. C. 4078.			
Apr. 14	CF	11 30 8.45	...	May 27	JS	11 59 58.09	153 52 16.74
15	G	...	90 5 21.69	June 3	JS	58.22	17.50
16	JS	...	22.05	4	IF	57.85	16.89
May 12	G	...	23.13			11 59 58.05	153 52 17.04
13	JS	8.40	21.53				
		11 30 8.43	90 5 22.10	B. A. C. 4087.			
β Leonis.				May 22	CF	12 1 28.52	139 58 52.63
Jan. 23	G	11 42 16.35	...	ι Virginia.			
Feb. 15	CF	16.48	...	June 10	G	12 2 52.36	87 21
Apr. 14	CF	16.24	...				
		11 42 16.36	74 41				

176 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ε Corvi.				B. A. C. 4197.			
Jan. 23	G	^{h m s} 12 3 17.30	° ' "	Feb. 15	CF	^{h m s} 12 20 51.60	139° 29' 35".09
Feb. 15	OF	17.19	...	B. A. C. 4215.			
June 5	G	17.22	...	Mar. 4	JS	12 23 48.33	146 22 4.16
		12 3 17.24	111 53	June 3	JS	48.43	4.29
B. A. C. 4120.						12 23 48.38	146 22 4.23
Feb. 15	OF	12 8 5.71	148 0 30.94	δ Corvi.			
25	JS	5.84	32.29	Apr. 17	CF	12 27 24.47	...
Mar. 4	JS	6.03	31.99	June 5	G	24.31	...
		12 8 5.86	148 0 31.74	July 3	G	24.39	...
B. A. C. 4133.				5	JS	24.31	...
May 22	OF	12 11 15.37	153 15 49.99			12 27 24.37	112 40
June 3	JS	15.29	47.80	B. A. C. 4245.			
4	IF	14.99	49.32	Feb. 15	CF	12 29 16.75	158 24 7.30
5	G	14.96	49.08	21	JS	17.41	6.13
		12 11 15.15	153 15 49.05	25	JS	17.07	8.17
η Virginia.				Mar. 4	JS	17.23	7.19
Jan. 23	G	12 13 6.18	89 55 39.03			12 29 17.11	158 24 7.20
24	JS	...	38.99	B. A. C. 4251.			
Feb. 21	JS	...	38.08	June 4	G	12 30 26.61	137 48 30.42
Apr. 16	JS	...	38.44	Lacaille 5235.			
May 13	JS	6.15	38.94	July 1	B	12 31 27.13	179 4 6.64
June 10	G	...	38.51	3	G	...	6.77
		12 13 6.17	89 55 38.67	5	JS	26.34	6.66
B. A. C. 4158.						12 31 26.74	179 4 6.69
Feb. 15	OF	12 14 11.91	149 39 56.46				

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Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
Lacaille 5235 S.P.				38 Virginia.			
June. 23	CF	^{h m s} ...	179° 4' 8".89	Apr. 17	CF	^{h m s} 12 46 22.80	92° 49' 45".84
30	CF	12 31 27.13	7.96	July 8	B	22.65	46.93
July 5	JS	27.62	...			12 46 22.73	92 49 46.39
		12 31 27.38	179 4 8.43	B. A. C. 4325.			
B. A. C. 4264.				Feb. 15	CF	12 46 47.77	146 27 16.20
July 2	IF	12 34 11.74	138 13 42.33	25	JS	47.81	18.37
γ Virginis (as one mass).				Mar. 4	JS	47.80	16.78
Feb. 15	CF	12 34 55.30	...	May 22	CF	47.66	16.29
21	JS	55.36	90 43 9.93			12 46 47.76	146 27 16.91
25	JS	55.28	...	↓ Virginis.			
May 13	JS	55.25	9.64	Jan. 25	CF	12 47 26.16	98 49
June 4	IF	55.47	9.33	k Virginis.			
July 8	B	55.28	9.08	June 10	G	12 52 48.49	93 5 38.75
		12 34 55.32	90 43 9.50	B. A. C. 4379.			
B. A. C. 4280.				Feb. 15	CF	12 59 9.65	139 11 32.98
Feb. 15	CF	12 38 8.99	157 22 44.97	25	JS	9.70	34.98
25	JS	9.48	44.80	Mar. 4	JS	9.66	33.68
Mar. 4	JS	9.34	44.39			12 59 9.67	139 11 33.88
		12 38 9.27	157 22 44.72	θ Virginis.			
B. A. C. 4289.				Jan. 25	CF	13 3 3.84	...
Feb. 21	JS	12 39 58.49	148 57 38.52	Feb. 15	CF	3.75	...
May 22	CF	58.18	36.29	21	JS	...	94 49 41.19
June 3	JS	58.37	38.92				
		12 39 58.35	148 57 37.91				

178 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>θ Virginis—continued.</i>				<i>α Virginis.</i>			
Apr. 17	CF	^{h m s} 13 3 4 ¹²	^{° ' "}	Feb. 15	CF	^{h m s} 13 18 11 ³³	^{° ' "}
June 10	G	...	94 49 40 ³⁴	21	JS	...	100 27 57 ⁸⁶
		13 3 3 ⁹⁰	94 49 40 ⁷⁷	22	G	...	58 ¹⁸
				26	G	...	57 ⁴⁴
B. A. C. 4409.				Apr. 17	CF	...	54 ⁴³
June 4	IF	13 3 47 ⁷⁰	132 39 29 ⁶⁰	May 15	IF	...	56 ⁵⁰
July 2	IF	47 ⁷⁵	31 ⁴⁰	June 3	JS	11 ³⁹	...
9	IF	47 ⁷⁷	32 ¹³	5	G	11 ³⁵	...
16	IF	...	31 ¹⁶	July 8	B	...	56 ⁸⁶
		13 3 47 ⁷⁴	132 39 31 ⁰⁷	9	IF	11 ⁴⁵	55 ⁶²
Brisbane 4367.						13 18 11 ³⁸	100 27 56 ⁷⁰
Feb. 26	G	13 6 11	157 10 25 ⁵⁰	... B. A. C. 4483.			
B. A. C. 4426.				Apr. 26	JS	13 19 59	175 6 4 ⁸⁰
Feb. 15	CF	13 6 15 ⁹⁹	157 11 19 ²⁰	B. A. C. 4507.			
25	JS	16 ³¹	18 ⁹¹	Apr. 8	CF	13 23 20 ⁵⁰	128 43 8 ⁸¹
26	G	(15 ⁴⁰)	17 ⁷³	May 13	JS	20 ⁴³	8 ²⁰
27	CF	16 ¹⁹	19 ³⁰	June 3	JS	20 ⁵⁹	9 ⁰⁷
Mar. 4	JS	16 ⁵⁸	18 ⁵⁹	4	IF	20 ⁵⁴	7 ⁰³
		13 6 16 ²⁷	157 11 18 ⁷⁵			13 23 20 ⁵²	128 43 8 ²⁸
B. A. C. 4458.				B. A. C. 4517.			
Feb. 15	OF	13 13 7 ⁸³	126 0 34 ⁷⁴	July 2	IF	13 25 8 ⁸⁸	118 52 46 ⁰²
26	G	7 ⁴⁶	37 ⁹⁶	<i>λ Virginis.</i>			
Mar. 4	JS	7 ⁵⁴	35 ²⁶	Apr. 17	CF	13 25 58 ¹⁶	99 28 42 ³⁴
May 13	JS	7 ⁸¹	36 ¹¹	July 8	B	58 ⁰⁰	41 ⁹⁶
		13 13 7 ⁶⁶	126 0 36 ⁰²	9	IF	58 ⁰⁴	41 ⁵⁵
						13 25 58 ⁰⁷	99 28 41 ⁹⁵

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ζ Virginia.				B. A. C. 4629.			
Feb. 22	G	^{h m s} 13 27 55	89° 54' 53".46	June 5	G	^{h m s} 13 45 33".65	121° 16' 8".56
B. A. C. 4548.				B. A. C. 4638.			
Apr. 26	JS	13 31 14".22	118 52 47".45	July 2	IF	13 47 15".32	...
May 13	JS	14".03	46".15	18	JS	15".34	136 37 54".21
June 3	JS	14".04	47".91			13 47 15".33	136 37 54".21
July 18	JS	14".11	49".26	B. A. C. 4653.			
		13 31 14".10	118 52 47".69	Apr. 17	CF	13 50 11".95	131 26 57".06
B. A. C. 4549.				26	JS	12".12	57".99
Feb. 26	G	13 31 28".82	142 47 19".93	May 27	JS	11".85	55".89
Mar. 4	JS	28".85	18".70	June 3	JS	12".00	57".50
Apr. 8	CF	28".84	18".63	4	IF	11".93	56".27
		13 31 28".84	142 47 19".09			13 50 11".97	131 26 56".94
B. A. C. 4580.				B. A. C. 4654.			
Feb. 26	G	13 38 15".19	140 45 49".89	June 5	G	13 50 28".48	134 9 8".56
Apr. 26	JS	15".61	50".35	β Centauri.			
May 27	JS	15".24	49".55	Apr. 10	B	13 54 27".58	149 43 43".03
June 4	IF	15".29	49".63	May 13	JS	27".96	42".28
...		13 38 15".33	140 45 49".86	15	IF	27".76	45".59
B. A. C. 4601.				July 2	IF	27".83	...
May 13	JS	13 41 32".37	131 1 25".14			13 54 27".78	149 43 43".63
June 5	G	32".14	23".96	τ Virginia.			
July 18	JS	32".34	23".06	Mar. 21	JS	13 54 53	87 48 36".82
		13 41 32".28	131 1 24".05				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4681.				α Virginis.			
Feb. 27	CF	^{h m s} 13 57 56.13	130° 32' 26".69	Feb. 22	G	^{h m s} 14 5 48.26	99° 39' 10".76
Apr. 17	CF	56.24	25.17	Mar. 21	JS	48.18	11.58
June 3	JS	56.27	25.35	22	CF	48.37	11.41
		^{h m s} 13 57 56.21	130 32 25.74	July 9	IF	48.42	9.55
B. A. C. 4685.				10	G	48.32	10.15
June 5	G	13 58 48.17	116 2 23.57	Aug. 6	JS	48.18	9.36
July 3	G	48.29	23.55			^{h m s} 14 5 48.29	99 39 10.47
		^{h m s} 13 58 48.23	116 2 23.56	B. A. C. 4712.			
B. A. C. 4686.				June 3	JS	14 6 28.15	169 29 27.43
Apr. 12	CF	13 58 51.96	125 42 52.59	B. A. C. 4719.			
May 27	JS	51.83	50.40	June 5	G	14 7 19.63	118 39 29.49
		^{h m s} 13 58 51.90	125 42 51.50	July 3	G	19.66	30.22
94 Virginis.						^{h m s} 14 7 19.65	118 39 29.86
Mar. 21	JS	13 59 15.41	98 15 19.88	α Boötis.			
22	CF	15.45	19.53	Apr. 10	B	...	70 7 24.82
		^{h m s} 13 59 15.43	98 15 19.71	17	CF	14 9 35.63	...
95 Virginis.				24	CF	35.68	...
May 16	G	13 59 40.91	98 40 38.34	May 13	JS	35.72	...
η Apodis.				June 7	OF	35.85	...
May 17	CF	14 1 43.25	170 22 49.49			^{h m s} 14 9 35.72	70 7 24.82
July 3	G	43.92	49.12	B. A. C. 4734.			
		^{h m s} 14 1 43.59	170 22 49.31	June 6	B	14 10 54.15	135 26 31.20
				July 3	G	54.27	31.24
						^{h m s} 14 10 54.21	135 26 31.22

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Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
λ Virginia.				B. A. C. 4770—continued.			
Feb. 22	G	^{h m s} 14 11 54.99	102° 45' 25".59	June 7	CF	^{h m s} 14 17 38.57	134° 46' 34".49
July 9	IF	55.18	24.81	July 23	JS	38.37	32.04
10	G	55.17	26.00			14 17 38.37	134 46 33.07
Aug. 6	JS	55.02	25.25	B. A. C. 4784.			
		14 11 55.09	102 45 25.41	Apr. 17	CF	14 20 23.32	118 53 29.04
B. A. C. 4745.				July 3	G	23.48	30.79
Feb. 27	CF	14 12 28.67	127 16 (24.46)			14 20 23.40	118 53 29.92
Apr. 12	CF	28.63	17.37	B. A. C. 4801.			
26	JS	28.93	18.46	Feb. 27	OF	14 23 40.39	139 51 53.56
May 27	JS	28.57	17.57	Apr. 23	JS	40.53	55.20
		14 12 28.70	127 16 17.80	26	JS	40.67	54.27
B. A. C. 4759.				May 17	CF	40.67	54.03
May 17	CF	14 14 51.26	128 54 6.76			14 23 40.57	139 51 54.27
June 3	JS	51.10	7.21	Lacaille 5985.			
4	IF	51.03	7.35	June 5	G	14 25 28.63	122 43 38.96
5	G	51.18	7.92	July 2	IF	28.57	38.00
		14 14 51.14	128 54 7.31	3	G	28.66	38.56
B. A. C. 4768.						14 25 28.62	122 43 38.51
Apr. 26	JS	14 17 37.09	134 37 3.23	α Octantis.			
July 2	IF	36.86	0.33	July 28	JS	...	177 35.48.98
9	IF	36.80	2.78	23	JS	...	46.99
		14 17 36.92	134 37 2.11	27	G	14 26 14.97	46.72
B. A. C. 4770.				29	G	14.96	47.17
Feb. 26	G	14 17 38.37	134 46 32.50	30	JS	...	47.43
27	CF	38.16	33.26				

182 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>z Octantis—continued.</i>				<i>α² Centauri.</i>			
Aug. 1	B	^{h m s} ...	177° 35' 48".65	Apr. 10	B	^{h m s} 14 30 34".88	150° 17' 6".73
2	IF	14 26 13".64	47'.91	May 10	CF	...	11'.14
5	B	13".98	46".82	17	CF	34".99	7'.58
		14 26 14".39	177 35 47".58	27	JS	...	8'.33
<i>z Octantis S.P.</i>				June 3	JS	34".88	7'.59
July 26	CF	14 26 14".08	177 35 50".02	4	IF	34".68	7'.43
28	G	...	49'.42	July 9	IF	34".71	7'.15
29	G	15".06	...			14 30 34".83	150 17 7".99
Aug. 2	IF	16".63	48".91	<i>B. A. C. 4833.</i>			
5	B	13".01	49".99	July 3	G	14 31 29".30	168 28 32".48
		14 26 14".70	177 35 49".59	18	JS	28".87	32".50
<i>B. A. C. 4811.</i>				Aug. 6	JS	29".28	33".19
Apr. 17	CF	14 27 4".22	131 34 17".41			14 31 29".15	168 28 32".72
<i>B. A. C. 4821.</i>				<i>B. A. C. 4839.</i>			
Feb. 26	G	14 28 57".20	138 50 37".52	Apr. 23	JS	14 33 6".11	136 48 51".92
Apr. 23	JS	57".66	38".66	<i>B. A. C. 4842.</i>			
26	JS	...	38".35	Apr. 17	CF	14 33 42".36	127 13 11".81
June 7	OF	57".32	38".05	26	JS	...	12".95
		14 28 57".39	138 50 38".15			14 33 42".36	127 13 12".38
<i>α¹ Centauri.</i>				<i>B. A. C. 4852.</i>			
Apr. 10	B	...	150 16 57".53	June 7	OF	14 35 31".82	124 35 56".06
May 27	JS	...	57".95	July 23	JS	31".79	55".13
		14 30 34	150 16 57".74	30	JS	31".93	55".61
						14 35 31".85	124 35 55".60

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Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
5 Libræ.				B. A. C. 4928.			
Mar. 22	CF	^{h m s} 14 38 38.12	104 53 47.41	May 27	JS	^{h m s} 14 50 31.20	131 34 3.55
B. A. C. 4892.				June 7	CF	31.40	3.52
Apr. 23	JS	14 42 58.43	133 1 20.41	July 3	G	31.24	3.96
				18	JS	31.04	3.69
						14 50 31.22	131 34 3.68
α ² Libræ.				Lacaille 6198.			
Mar. 22	CF	...	105 29 12.14	July 9	IF	14 54 51.26	122 6 58.33
May 16	G	...	12.39	Aug. 2	IF	51.45	59.47
17	CF	...	(8.49)	6	JS	51.35	57.70
June 5	G	14 43 31.62	---			14 54 51.35	122 6 58.50
7	OF	31.46	---	B. A. C. 4948.			
July 3	G	31.57	...	Apr. 26	JS	14 56 4.82	136 31 40.15
9	IF	31.52	...	May 3	CF	...	40.61
30	JS	31.50	...	9	JS	...	40.38
Aug. 6	JS	...	12.76			14 56 4.82	136 31 40.38
7	G	...	12.43	Lacaille 6229.			
		14 43 31.53	105 29 12.43	July 3	G	14 59 3.49	122 23 34.94
B. A. C. 4916.				30	JS	3.26	34.50
July 2	IF	14 47 35.17	123 18 46.19			14 59 3.38	122 23 34.72
3	G	35.43	47.45	r ¹ Libræ.			
		14 47 35.30	123 18 46.82	May 16	G	14 59 12.69	105 44 18.88
B. A. C. 4924.				17	CF	12.92	17.78
Apr. 23	JS	14 49 50.16	132 35 45.53	Aug. 6	JS	12.71	18.85
26	JS	50.29	43.80	7	G	12.79	19.53
May 3	OF	...	44.48			14 59 12.78	105 44 18.76
10	CF	...	43.61				
		14 49 50.23	132 35 44.36				

184 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4973.				β Libræ—continued.			
May 27	JS	^{h m s} 14 59 54.00	^{° ' "} 134 45 53.66	July 3	G	^{h m s} 15 9 51.20	^{° ' "}
June 7	CF	53.95	55.57	9	IF	51.25	...
July 2	IF	53.77	55.01	10	G	...	98 53 23.66
		14 59 53.91	134 45 54.75	11	JS	...	23.72
B. A. C. 4986.				30	JS	51.27	...
Aug. 13	B	15 2 42	138 13 43.53	Dec. 11	G	51.18	...
B. A. C. 4988.						15 9 51.22	98 53 23.41
Aug. 13	B	15 2 44	138 14 6.31	B. A. C. 5046.			
B. A. C. 4987.				July 3	G	15 12 39.08	130 9 47.99
Apr. 26	JS	15 2 45.09	141 35 24.68	... ρ Octantis			
γ Libræ.				Aug. 6	JS	...	174 0 44.72
Feb. 23	CF	15 4 38.63	109 17 9.05	10	JS	15 13 5.78	44.19
B. A. C. 5005.				11	JS	5.48	44.40
May 9	JS	...	158 11 3.03	13	B	...	45.26
July 2	IF	15 6 31.83	2.23	14	IF	...	43.66
23	JS	32.02	3.96	15	JS	...	42.78
		15 6 31.93	158 11 3.07			15 13 5.63	174 0 44.17
β Libræ.				ρ Octantis S. P.			
Feb. 23	CF	...	98 53 22.84	Aug. 10	JS	15 13 5.62	174 0 44.37
May 22	CF	15 9 51.22	...	15	JS	...	44.61
						15 13 5.62	174 0 44.49
				B. A. C. 5060.			
				Apr. 26	JS	15 14 40.20	126 22 43.72
				June 17	CF	40.02	42.34
				July 23	JS	39.93	43.35
				30	JS	40.10	42.87
						15 14 40.06	126 22 43.07

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Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ζ ¹ Libræ.				B. A. C. 5139— <i>continued</i> .			
July 10	G	^{h m s} 15 20 45.59	106° 15' 1".81	July 4	CF	^{h m s} 15 29 6.12	132° 7' 40".16
11	JS	...	0.53	23	JS	6.15	39.86
		15 20 45.59	106 15 1.17			15 29 6.12	132 7 38.95
B. A. C. 5118.				B. A. C. 5151.			
Apr. 16	IF	15 26 17.33	130 42 59.02	Aug. 6	JS	15 30 29.62	119 20 15.36
June 7	CF	17.36	59.18	13	B	..	14.00
July 2	IF	17.30	57.50			15 30 29.62	119 20 14.68
9	IF	17.14	58.75				
		15 26 17.28	130 42 58.61	B. A. C. 5165.			
γ Libræ.				Apr. 16	IF	15 32 3.65	134 13 2.81
May 17	CF	15 28 5.59	104 20 36.07	July 3	G	3.54	3.56
Aug. 7	G	5.37	36.54	9	IF	3.39	2.64
		15 28 5.48	104 20 36.31	30	JS	3.57	3.38
						15 32 3.54	134 13 3.10
α Coronæ Borealis.				α Serpentis.			
July 3	G	15 29 3.28	...	May 22	CF	15 37 43.11	...
Dec. 11	G	3.50	...	June 17	CF	43.09	...
18	G	3.56	...	July 3	G	43.12	...
19	G	3.44	...	Dec. 11	G	43.19	...
22	G	3.49	...	18	G	43.15	...
		15 29 3.45	62 50	19	G	43.15	...
				22	G	43.09	...
						15 37 43.13	83 9
B. A. C. 5139.				B. A. C. 5224.			
May 9	JS	...	132 7 39.47	July 3	G	15 42 23.56	158 12 5.53
10	CF	...	37.59	9	IF	23.38	6.56
27	JS	15 29 6.10	37.65				

186 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5224—continued.				48 Libræ.			
July 23	JS	^{h m s} 15 42 23.18	158° 12' 6".63	Feb. 25	JS	^{h m s} 15 50 44.59	103° 53' 35".61
30	JS	23.45	6.46	B. A. C. 5289.			
		15 42 23.39	158 12 6.30	Apr. 16	IF	15 50 48.69	115 43 39.43
B. A. C. 5227.				June 7	OF	48.69	41.15
Apr. 16	IF	15 42 30.90	123 13 9.65	19	B	48.57	42.30
Aug. 2	IF	30.68	9.12	July 4	CF	48.55	41.43
14	IF	30.94	8.24	23	JS	48.64	41.61
		15 42 30.84	123 13 9.00			15 50 48.63	115 43 41.18
B. A. C. 5232.				B. A. C. 5292.			
June 17	CF	15 42 59.19	115 20 38.05	July 30	JS	15 51 19.06	128 0 47.07
July 4	CF	59.03	41.38	Aug. 14	IF	19.10	48.53
		15 42 59.11	115 20 39.72			15 51 19.08	128 0 47.80
β Trianguli Australia.				B. A. C. 5323.			
May 9	JS	...	153 0 56.27	Aug. 5	B	15 57 6.16	134 48 32.18
Aug. 13	B	...	57.15	13	B	...	30.83
		15 43 27	153 0 56.71			15 57 6.16	134 48 31.51
θ Libræ.				β ¹ Scorpii.			
Aug. 7	G	15 46 15.32	106 20 10.53	Feb. 25	JS	...	109 26 19.63
B. A. C. 5272.				Apr. 17	OF	15 57 42.40	...
Aug. 2	IF	15 48 40.72	118 49 23.62	June 3	JS	42.45	...
				7	CF	42.42	...
				17	CF	42.46	...
				July 3	G	42.47	...
				9	IF	42.28	...
				11	JS	...	19.89

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β^1 Scorpii—continued.				ν Scorpii.			
Aug. 14	IF	^{h m s} 15 57 42.58	^{° ' "}	July 11	JS	^{h m s} 16 4 16	109° 6' 44".78
28	IF	42.50	...	δ Ophiuchi.			
Dec. 18	G	42.36	...	Apr. 17	OF	16 7 22.66	...
19	G	42.47	...	June 7	OF	22.73	...
22	G	42.48	...	17	OF	22.69	...
		15 57 42.44	109 26 19.76	July 3	G	22.72	...
β^2 Scorpii.				Aug. 28	IF	22.81	..
July 11	JS	15 57 43	109 26 6.48	Sept. 3	IF	22.72	...
B. A. C. 5331.				Dec. 11	G	22.65	...
June 6	B	15 57 52.00	126 26 13.48	18	G	22.73	...
B. A. C. 5347.				19	G	22.67	...
July 3	G	16 0 1.60	115 58 2.49	22	G	22.67	...
4	OF	1.38	3.83			16 7 22.71	93 21
23	JS	1.43	2.15	B. A. C. 5435.			
30	JS	1.50	2.29	Apr. 16	IF	16 11 8.21	120 34 50.76
		16 0 1.48	115 58 2.69	June 6	B	8.28	50.28
B. A. C. 5374.				17	OF	8.20	48.78
June 30	CF	16 2 46.37	119 3 45.10	24	JS	8.25	49.93
Aug. 2	IF	46.58	43.93	July 9	IF	8.22	49.04
6	JS	46.60	42.91			16 11 8.23	120 34 49.76
14	IF	46.74	42.55	B. A. C. 5439.			
22	JS	46.56	41.76	May 31	CF	16 13 8.68	168 35 26.87
		16 2 46.57	119 3 43.25	July 1	B	9.30	27.06
				23	JS	8.87	29.55
				30	JS	9.39	25.79
						16 13 9.06	168 35 27.32

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5454.				B. A. C. 5510—continued.			
July 3	G	^{h m s} 16 15 37.44	^{° ′ ″} 153 45 2.12	July 1	B	^{h m s} 16 24 9.87	^{° ′ ″} 167 13 54.99
5	JS	37.42	2.40	4	CF	9.35	54.43
Aug. 2	IF	37.35	2.85	23	JS	9.38	54.13
5	B	37.29	3.50			16 24 9.61	167 13 54.52
		16 15 37.38	153 45 2.72	B. A. C. 5538.			
α Scorpil.				Aug. 23	IF	16 27 37.68	124 58 40.36
Apr. 17	OF	16 21 15.28	...	B. A. C. 5536.			
June...7	CF	15.40	...	June 17	CF	16 27 41.56	158 1 32.97
...17	CF	15.42	...	24	JS	41.15	33.79
July...3	G	15.39	...	July 5	JS	41.64	32.38
5	JS	15.42	...	9	IF	...	31.93
30	JS	15.39	...	30	JS	41.66	33.51
Aug. 28	IF	15.44	...			16 27 41.50	158 1 32.92
Sept. 3	IF	15.38	...	α Trianguli Australis.			
Oct. 3	CF	...	116 7 59.74	Jan. 15	G	16 34 35.92	158 46 42.79
Dec. 11	G	15.31	...	17	G	36.17	...
18	G	15.30	...	May 31	OF	36.47	40.07
19	G	15.34	...	Aug. 13	B	...	41.44
22	G	15.38	...	Sept. 6	IF	36.62	41.75
		16 21 15.37	116 7 59.74	11	IF	36.64	39.63
B. A. C. 5508.				16	JS	36.46	40.69
Aug. 14	IF	16 22 41.82	124 24 39.75	18	B	36.44	39.98
23	IF	41.85	38.00	20	IF	...	39.94
		16 22 41.84	124 24 38.88	24	IF	...	39.49
B. A. C. 5510.				Oct. 8	B	...	39.99
May 31	CF	16 24 9.83	...	9	G	36.27	40.22
				10	IF	...	39.92

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
a Trianguli Australis—continued.				B. A. C. 5632—continued.			
Oct. 17	G	^{h m s} 16 34 36.23	° ' "	June 30	OF	^{h m s} 16 41 33.12	124 ° 2 ' 53.48
21	G	36.41	...	July 4	OF	33.05	52.91
Nov. 20	CF	36.55	...	5	JS	33.17	54.02
25	JS	36.59	...	9	IF	...	52.31
26	IF	36.52	...			16 41 33.11	124 2 53.37
		16 34 36.41	158 46 40.49	B. A. C. 5638.			
a Trianguli Australis S.P.				May 31	CF	16 42 51.97	127 48 57.87
Jan. 16	G	...	158 46 42.32	June 6	B	51.62	...
22	B	...	39.85	17	OF	51.75	55.37
24	B	...	43.40	24	JS	51.89	55.79
25	IF	...	42.63	July 23	JS	52.05	55.15
30	CF	...	43.08	30	JS	51.99	55.92
Feb. 5	JS	...	41.11	Aug. 2	IF	51.85	55.20
6	IF	...	43.89	5	B	51.98	54.06
Sept. 5	JS	...	40.84	23	IF	52.09	55.68
17	IF	...	41.74			16 42 51.91	127 48 55.63
18	B	...	42.00	B. A. C. 5640.			
20	CF	...	41.70	Aug. 5	B	16 43 20.13	127 47 15.54
Oct. 10	B	...	45.70	6	JS	19.94	13.89
29	CF	...	40.45			16 43 20.04	127 47 14.72
		16 34 36	158 46 42.21	B. A. C. 5651.			
B. A. C. 5588.				July 1	B	16 44 37.16	132 8 12.06
Aug. 2	IF	16 35 5.84	121 51 0.16	Aug. 13	B	...	13.05
B. A. C. 5609.				14	IF	37.15	11.56
Apr. 10	B	16 38 18.73	148 47 55.74	22	JS	37.08	11.40
B. A. C. 5632.				28	IF	37.01	13.40
Apr. 16	IF	16 41 33.10	124 2 54.13	Sept. 3	IF	...	14.53
						16 44 37.10	132 8 12.67

190 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5661.				B. A. C. 5778.			
Aug. 13	B	^{h m s} 16 45 14	132° 7' 47".82	June 6	B	^{h m s} 17 2 37.94	133° 3' 34".15
B. A. C. 5697.				Aug. 23	IF	37.90	34.67
Apr. 16	IF	16 48 59.67	142 57 5.13	Sept. 3	IF	37.79	34.62
June 24	JS	59.32	5.82			17 2 37.88	133 3 34.48
July 5	JS	59.56	5.78	η Ophiuchi.			
23	JS	59.49	5.40	Sept. 5	JS	17 2 45.05	...
		16 48 59.51	142 57 5.53	6	IF	45.19	105 33 25.38
α Ophiuchi.						17 2 45.12	105 33 25.38
July 9	IF	16 51 22.50	...	B. A. C. 5794.			
Aug. 14	IF	22.56	...	Sept. 7	G	...	170 43 32.36
28	IF	22.49	...	11	IF	17 6 39.24	30.47
Sept. 3	IF	22.45	...			17 6 39.24	170 43 31.42
5	JS	22.48	...	B. A. C. 5794 S.P.			
6	IF	22.63	...	Sept. 9	B	...	170 43 32.42
16	JS	22.50	...	11	IF	17 6 39.61	35.24
		16 51 22.52	80 25	12	JS	...	34.39
B. A. C. 5713.						17 6 39.61	170 43 34.02
Aug. 23	IF	16 52 31.65	143 1 58.16	B. A. C. 5810.			
B. A. C. 5735.				May 31	CF	17 8 6.29	157 37 34.60
June 17	CF	16 56.. 4.50	123 55 55.37	June 17	OF	6.13	32.55
24	JS	4.54	55.56	24	JS	6.09	33.21
30	CF	4.62	55.53	30	OF	6.44	35.61
July 4	CF	4.45	55.61	July 1	B	6.43	32.85
5	JS	4.58	56.19	9	IF	6.41	33.16
		16 56 4.54	123 55 55.65			17 8 6.30	157 37 33.66

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Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Herculis.				B. A. C. 5859.			
Sept. 5	JS	^{h m s} 17 8 34.98	75° 27' "	Aug. 23	IF	^{h m s} 17 15 37.96	140° 30' 26".89
ξ Ophiuchi.				B. A. C. 5877.			
Sept. 5	JS	17 13 2.05	110 57 60.72	May 31	CF	17 19 5.97	150 34 4.94
6	IF	2.10	59.71	June 17	CF	5.99	4.91
		17 13 2.08	110 58 0.22	July 5	JS	6.04	3.67
θ Ophiuchi.				23	JS	5.93	3.21
July 5	JS	17 13 50.59	...			17 19 5.98	150 34 4.18
9	IF	50.51	...	B. A. C. 5899.			
Aug. 10	JS	...	114 51 47.89	June 24	JS	17 21 33.69	139 45 59.49
		17 13 50.55	114 51 47.89	30	CF	33.93	59.78
B. A. C. 5850.				July 30	JS	33.98	58.03
Aug. 14	IF	...	146 14 51.17	Aug. 2	IF	33.99	59.72
28	IF	17 14 12.14	50.52	14	IF	33.85	59.26
Sept. 3	IF	12.25	51.23	22	JS	33.89	58.31
12	JS	12.37	50.42			17 21 33.89	139 45 59.10
16	JS	12.04	50.70	B. A. C. 5935.			
		17 14 12.20	146 14 50.81	June 30	CF	17 27 45.87	132 54 31.94
B. A. C. 5852.				July 1	B	45.93	30.89
July 1	B	17 14 15.11	145 23 57.19	5	JS	45.96	31.37
30	JS	15.09	57.52	23	JS	45.90	33.17
Aug. 2	IF	14.86	57.84			17 27 45.92	132 54 31.84
5	B	14.87	57.66	α Ophiuchi.			
22	JS	15.06	57.27	Sept. 5	JS	17 28 45.70	...
		17 14 15.00	145 23 57.50	11	IF	46.03	...
				16	JS	45.70	...
						17 28 45.81	77 20

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ξ Serpentis.				B. A. C. 5970—continued.			
Aug. 10	JS	^{h m s} 17 29 58.40	105° 18' 42".02	Sept. 5	JS	^{h m s} 17 33 17.32	128° 57' 26".21
B. A. C. 5954.				30	IF	...	26.48
Apr. 23	JS	17 30 45.66	111 49 51.29			17 33 17.30	128 57 26.04
B. A. C. 5960.				58 Ophiuchi.			
June 24	JS	17 31 21.03	122 7 17.90	Apr. 23	JS	17 35 27.83	111 36 56.69
July 26	CF	21.21	22.23	B. A. C. 6004.			
Aug. 2	IF	21.14	20.85	Aug. 2	IF	17 38 17.10	130 4 16.76
14	IF	21.20	20.72	6	JS	17.06	16.07
22	JS	21.16	19.99	22	JS	17.17	17.30
		17 31 21.15	122 7 20.34	Sept. 3	IF	16.81	16.42
B. A. C. 5964.				5	JS	16.96	17.51
Sept. 3	IF	17 32 18.42	122 8 19.75			17 38 17.02	130 4 16.81
B. A. C. 5963.				B. A. C. 6008.			
Aug. 5	B	...	154 39 17.36	June 24	JS	17 39 11.39	117 46 34.84
28	IF	17 32 40.93	15.78	July 1	B	11.35	35.65
Sept. 12	JS	41.19	14.16	26	CF	11.39	35.87
16	JS	40.83	15.13	30	JS	11.38	34.78
Oct. 1	IF	...	(12.66)			17 39 11.38	117 46 35.29
		17 32 40.98	154 39 15.61	B. A. C. 6016.			
B. A. C. 5970.				June 30	CF	17 40 32.22	121 39 13.01
June 30	CF	17 33 17.31	128 57 26.18	July 5	JS	32.15	13.18
July 23	JS	17.28	25.29	Aug. 14	IF	32.11	12.12
				28	IF	32.15	13.34
				Sept. 12	JS	32.18	9.90
						17 40 32.16	121 39 12.31

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 6018.				B. A. C. 6107—continued.			
Aug. 23	IF	^{h m s} 17 40 48.14	126° 59' 48.80	July 26	OF	^{h m s} 17 56 31.49	119° 34' 56.77
30	B	...	47.36	30	JS	31.49	55.43
Sept. 11	IF	48.35	49.39			17 56 31.48	119 34 56.01
16	JS	48.44	47.45				
		17 40 48.31	126 59 48.25	B. A. C. 6115.			
B. A. C. 6065.				Aug. 28	IF	17 57 15.90	120 25 19.05
June 17	CF	17 48 39.98	105 47 7.16	Sept. 3	IF	15.73	18.94
4 Sagittarii.				5	JS	15.86	18.50
Sept. 7	G	17 51 40.42	113 48 1.15	11	IF	15.85	18.91
B. A. C. 6100.						17 57 15.84	120 25 18.85
May 31	CF	17 55 46.48	153 40 5.98	B. A. C. 6140.			
June 24	JS	46.20	8.77	Aug. 30	B	...	135 58 25.59
July 5	JS	46.64	5.73	Sept. 12	JS	18 1 21.51	21.97
23	JS	46.45	5.50	16	JS	21.43	23.06
		17 55 46.44	153 40 6.50			18 1 21.47	135 58 23.54
B. A. C. 6105.				B. A. C. 6148.			
Aug. 2	IF	17 56 16.78	140 5 43.93	May 31	CF	18 3 2.80	153 5 4.70
6	JS	16.97	44.02	Aug. 6	JS	2.76	3.49
14	IF	16.46	44.06	14	IF	2.96	3.44
22	JS	16.74	44.13	22	JS	2.87	2.46
23	IF	16.78	46.05	Sept. 5	JS	2.82	3.45
		17 56 16.75	140 5 44.44			18 3 2.84	153 5 3.51
B. A. C. 6107.				μ ¹ Sagittarii.			
June 17	CF	17 56 31.45	119 34 55.65	June 17	CF	18 5 48.50	111 5 25.44
30	CF	31.49	56.17	July 5	JS	48.56	...
				26	CF	48.58	...
				30	JS	48.54	...

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
μ^1 Sagittarii—continued.				α^1 Sagittarii.			
Aug. 10	JS	^{h m s} ...	111° 5' 25".72	Apr. 23	JS	^{h m s} 18 17 25".84	110° 36' 36".63
11	JS	...	24".83	B. A. C. 6250.			
Sept. 3	IF	18 5 48".50	...	Sept. 11 IF 18 18 35".08 139 8 16".89			
6	IF	48".53	24".03	B. A. C. 6253.			
7	G	...	24".33	May 31 CF 18 18 (56".52) 152 21 29".33			
11	IF	48".73	...	July 5 JS 56".99 27".39			
16	JS	48".54	...	23 JS 56".82 27".09			
		18 5 48".56	111 5 24".87	30 JS 56".89 26".95			
B. A. C. 6186.				Aug. 6 JS 56".87 26".70			
July 26	CF	18 8 37".64	126 47 51".45		18 18 56".89	152 21 27".49	
Aug. 6	JS	37".57	50".63	B. A. C. 6275.			
22	JS	37".65	50".83	Aug. 2 IF 18 21 17".61 123 7 49".31			
28	IF	37".51	53".17	Sept. 6 IF 17".71 48".19			
		18 8 37".59	126 47 51".52		18 21 17".66	123 7 48".75	
B. A. C. 6233.				B. A. C. 6279.			
Aug. 2	IF	18 15 20".55	124 26 38".58	Aug. 10 JS 18 21 37".02 104 38 51".50			
22	JS	20".64	35".62	11 JS 37".08 50".47			
		18 15 20".60	124 26 37".10		18 21 37".05	104 38 50".99	
B. A. C. 6240.				B. A. C. 6278.			
July 26	CF	18 17 6".50	136 2 15".11	Aug. 23 IF 18 21 54".17 135 59 61".59			
Aug. 14	IF	6".67	14".64	30 B ... 59".93			
28	IF	6".64	15".21		18 21 54".17	136 0 0".76	
30	B	...	14".60				
Sept. 3	IF	6".41	13".01				
12	JS	6".70	13".50				
		18 17 6".58	136 2 14".35				

Royal Observatory, Cape of Good Hope, in 1867. 195

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 6282.				B. A. C. 6360.			
Apr. 24	CF	^{h m s} 18 22 11.88	135° 50' 39".91	Sept. 3	IF	^{h m s} 18 35 32.48	155° 12' 33".95
Sept. 3	IF	...	38.50	11	IF	32.60	35.09
12	JS	11.67	38.36			18 35 32.54	155 12 34.52
		18 22 11.78	135 50 38.92	B. A. C. 6371.			
B. A. C. 6285.				Aug. 23	IF	18 37 20.69	117 7 25.55
July 26	CF	18 22 21.40	123 4 27.36	28 Sagittarii.			
Aug. 22	JS	21.30	23.22	Apr. 23	JS	18 38 19.32	112 31 (45.85)
Sept. 16	JS	21.24	23.84	24	CF	19.42	41.15
26	JS	...	23.44	July 15	CF	19.39	39.28
		18 22 21.31	123 4 24.47			18 38 19.38	112 31 40.22
B. A. C. 6296.				B. A. C. 6405.			
Aug. 14	IF	18 24 0.26	132 24 14.26	Sept. 6	IF	18 43 13.20	157 23 38.53
28	IF	0.13	13.73	B. A. C. 6414.			
		18 24 0.20	132 24 14.00	Apr. 24	OF	18 44 9.38	120 53 17.94
B. A. C. 6305.				July 26	OF	9.22	19.01
Sept. 11	IF	18 25 14.21	123 6 42.02	Aug. 30	B	...	17.08
B. A. C. 6315.						18 44 9.30	120 53 18.01
May 31	CF	18 27 28.89	161 32 8.83	27 Sagittarii.			
July 5	JS	29.09	8.38	July 15	CF	18 46 8.40	112 54 21.27
23	JS	28.91	8.57				
26	CF	28.83	8.67				
Aug. 6	JS	28.98	8.40				
		18 27 28.94	161 32 8.57				

196 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 6440.				ζ Aquilæ.			
Sept. 3	IF	^{h m s} 18 47 0·95	116 27 30·28	Apr. 24	CF	^{h m s} 18 59 17·84	° ' "
11	IF	0·96	31·37	Aug. 14	IF	17·86	...
		18 47 0·96	116 27 30·83	28	IF	17·79	...
ξ ² Sagittarii.				Sept. 6	IF	17·85	...
Sept. 7	G	18 49 47·71	111 16 41·51	11	IF	17·92	...
B. A. C. 6489.						18 59 17·85	76 20
Aug. 23	IF	18 54 8·84	120 3 58·90	B. A. C. 6541.			
ο Sagittarii.				Aug. 30	B	19 0 53	129 32 52·35
May 22	CF	18 56 42·80	111 55 59·02	π Sagittarii.			
June 17	CF	42·75	58·85	May 22	CF	19 1 51·06	111 13 53·09
Sept. 7	G	42·77	59·54	June 17	CF	51·22	52·69
		18 56 42·77	111 55 59·14	Aug. 11	JS	51·14	54·33
B. A. C. 6523.				12	G	51·21	54·92
Sept. 5	JS	18 59 5·16	130 41 54·99	Oct. 6	G	...	54·78
12	JS	5·22	55·82			19 1 51·16	111 13 53·96
26	JS	5·15	55·36	ω Aquilæ.			
		18 59 5·18	130 41 55·39	Apr. 24	CF	19 11 34·40	...
B. A. C. 6525.				May 22	CF	34·41	...
July 26	CF	18 59 8·18	118 50 18·51	July 26	CF	34·41	78 38 29·68
Aug. 2	IF	8·25	17·50	Aug. 12	G	34·47	...
6	JS	8·28	17·40			19 11 34·42	78 38 29·68
22	JS	8·30	17·29	B. A. C. 6610.			
		18 59 8·25	118 50 17·68	Aug. 2	IF	19 13 36·16	135 2 46·13
				28	IF	35·97	45·48

Date.	Observer.	R. A.	N. P. D.	Date.	Observer.	R. A.	N. P. D.
B. A. C. 6610— <i>continued.</i>				♂ Aquilæ— <i>continued.</i>			
Sept. 3	IF	^{h m s}	135° 2' 45" 07	Sept. 12	JS	^{h m s} 19 18 47·66	° ... "
5	JS	19 13 36·26	45° 02	17	IF	47·53	...
		19 13 36·13	135 2 45·43	Oct. 15	CF	47·44	...
						19 18 47·56	87 8 50·17
ρ ¹ Sagittarii.				*			
Apr. 24	CF	19 13 57·47	108 5 (29·36)	Sept. 3	IF	19 22 43·95	119 46 2·12
July 15	CF	57·49	40° 00	11	IF	43·88	0·72
Aug. 11	JS	57·46	40° 74			19 22 43·92	119 46 1·42
12	G	57·48	41° 10	λ ² Sagittarii.			
Oct. 6	G	...	40·28	Apr. 24	CF	19 28 36·68	...
		19 13 57·48	108 5 40·53	July 26	CF	36·68	115 10 22·94
B. A. C. 6622.				Aug. 28	IF	36·51	...
July 1	B	19 14 40·01	130 51 45·93	Sept. 5	JS	36·67	...
Aug. 30	B	...	44·66	6	IF	36·63	...
Sept. 6	IF	40·08	45° 03	11	IF	36·71	...
11	IF	40·06	43·67	12	JS	36·63	...
		19 14 40·05	130 51 44·82	17	IF	36·57	...
50 Sagittarii.						19 28 36·64	115 10 22·94
July 15	CF	19 18 23·08	112 2 12·82	ε ² Sagittarii.			
♂ Aquilæ.				Apr. 24	OF	19 34 54·65	106 25 58·14
Apr. 24	CF	19 18 47·54	...	June 19	B	54·48	(81·78)
May 22	CF	47·54	...			19 34 54·57	106 25 58·14
July 26	CF	47·64	87 8 50·17	B. A. C. 6753.			
Aug. 12	G	47·59	...	Sept. 3	IF	19 36 58·59	121 13 8·23
				11	IF	58·73	6·11
						19 36 58·66	121 13 7·17

198 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ Aquilæ.				ϵ Pavonis—continued.			
May 22	CF	^{h m s} 19 39 56.07	° ' "	Oct. 17	G	^{h m s} 19 45 9.04	° ' "
Aug. 12	G	56.21	...	21	G	9.01	...
Sept. 6	IF	56.24	...			19 45 9.21	163 15 19.88
Oct. 15	CF	56.34	...	ϵ Pavonis S.P.			
		19 39 56.22	79 43	Apr. 3	JS	...	163 15 20.92
α Aquilæ.				5	CF	19 45 9.64	23.09
May 22	CF	19 44 17.57	...	8	B	9.37	20.67
Aug. 12	G	17.58	...	10	JS	9.33	22.00
Sept. 3	IF	17.60	...	11	OF	9.13	21.18
6	IF	17.61	...	12	IF	10.06	21.39
11	IF	17.50	...	15	B	...	22.22
17	IF	17.74	...	23	B	8.98	21.68
		19 44 17.60	81 29			19 45 9.42	163 15 21.64
δ Sagittarii.				β Aquilæ.			
June 19	B	19 44 28.15	109 22 47.46	Aug. 12	G	19 48 46.84	83 55
ϵ Pavonis.				δ Sagittarii.			
Apr. 2	G	...	163 15 20.85	Aug. 12	G	19 54 31.48	104 0 10.43
10	B	19 45 9.35	18.53	13	B	...	10.39
11	G	9.98	...			19 54 31.48	104 0 10.41
July 26	OF	9.34	20.46	B. A. C. 6877.			
Aug. 11	JS	9.33	19.96	Sept. 6	IF	19 55 53.12	122 25 33.98
22	JS	9.38	19.46	11	IF	53.17	32.96
28	IF	9.11	19.66			19 55 53.15	122 25 33.47
Oct. 9	G	8.85	19.47	δ Sagittarii.			
10	B	9.10	20.68	May 22	CF	19 57 44.59	101 58 22.46
13	G	8.79	...				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 6948.				B. A. C. 7011—continued.			
May 10	CF	^{h m s} 20 7 34.49	^{° ′ ″} 120 24 27.04	Sept. 5	JS	^{h m s} 20 16 32.21	^{° ′ ″} 119 30 8.14
July 26	CF	34.59	27.02	12	JS	32.36	9.17
Aug. 28	IF	...	27.59			20 16 32.20	119 30 8.30
29	JS	34.65	29.57	B. A. C. 7026.			
Sept. 5	JS	34.57	27.58	Aug. 29	JS	20 18 22.94	119 30 12.14
		20 7 34.58	120 24 27.76	Sept. 5	JS	22.89	12.43
α^1 Capricorni.				12	JS	22.93	13.26
Aug. 13	B	20 10 16	102 54 59.10	18	B	22.93	10.98
α^2 Capricorni.						20 18 22.92	119 30 12.20
May 22	CF	20 10 40.41	102 57 15.49	ρ Capricorni.			
Aug. 12	G	40.42	16.49	June 19	B	...	108 15 1.41
Oct. 7	JS	...	16.32	Aug. 14	IF	20 21 16.15	...
		20 10 40.42	102 57 16.10	28	IF	16.30	...
β Capricorni.				Oct. 7	JS	...	2.31
June 19	B	20 13 32.25	105 11 56.13			20 21 16.23	108 15 1.86
α Pavonis.				B. A. C. 7057.			
Sept. 11	IF	20 15 6.61	147 9 28.69	Aug. 30	B	...	119 33 17.61
B. A. C. 7011.				Sept. 5	JS	20 22 47.83	18.44
May 10	CF	20 16 32.03	119 30 8.66	12	JS	47.78	18.98
Aug. 28	IF	32.11	8.12			20 22 47.81	119 33 18.34
29	JS	32.30	7.41	*			
				Sept. 3	IF	20 25 40.23	119 44 33.99
				17	IF	40.16	31.84
				18	B	40.34	32.47
				Oct. 8	IF	40.44	33.58
						20 25 40.29	119 44 32.97

200 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
τ^2 Capricorni.				B. A. C. 7250—continued.			
Aug. 13	B	h m s ...	105° 25' 7".03	Sept. 3	IF	h m s ...	167° 31' 34".57
14	IF	20 31 50.02	6.82	5	JS	20 48 28.91	33.33
Oct. 9	G	50.11	7.02			20 48 28.83	167 31 33.65
10	B	50.01	6.55	B Octantis.			
		20 31 50.05	105 25 6.86	May 5	JS	...	179 27 16.51
Lalande 39819.				7	G	...	21.42
Oct. 9	G	20 32 6.48	105 26 24.88	10	CF	...	16.50
B. A. C. 7129.				14	G	...	16.45
May 10	CF	20 32 56.03	156 40 36.61			20 50 23	179 27 17.72
Aug. 28	IF	55.86	37.44	B Octantis S.P.			
29	JS	55.90	34.60	Apr. 29	G	...	179 27 22.00
Sept. 5	JS	55.98	35.10	May 5	JS	...	21.81
12	JS	56.30	34.88	6	G	...	21.67
		20 32 56.01	156 40 35.73	9	CF	...	21.86
B. A. C. 7207.				10	JS	...	20.77
Sept. 6	IF	20 41 39.13	124 16 7.75	13	JS	...	20.17
B. A. C. 7208.						20 50 23	179 27 21.38
Aug. 28	IF	20 41 52.05	142 5 59.97	θ Capricorni.			
29	JS	52.29	61.52	Aug. 13	B	...	107 45 31.59
Sept. 3	IF	52.10	59.13	14	IF	20 58 27.99	33.42
5	JS	52.10	60.97	Oct. 7	JS	28.09	34.24
		20 41 52.14	142 6 0.40	8	IF	28.24	31.42
B. A. C. 7250.						20 58 28.11	107 45 32.67
Aug. 28	IF	20 48 28.56	167 31 32.46	ν Aquarii.			
29	JS	29.01	34.25	Oct. 7	JS	21 2 20.90	101 54 27.55
				8	IF	(23.71)	28.53
						21 2 20.90	101 54 28.04

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
Lacaille 8787.				Lacaille 8849.			
Sept. 20	CF	^h 21 ^m 13 ^s 54.98	119° 43' 39".38	Sept. 20	CF	^h 21 ^m 27 ^s 1.95	120° 17' 4".70
α Capricorni.				26	JS	1.85	5.08
Sept. 11	IF	21 14 50.25	107 23 55.51	Oct. 7	JS	2.01	5.74
Nov. 4	JS	50.34	56.00			21 27 1.94	120 17 5.17
		21 14 50.30	107 23 55.76	λ Octantis.			
B. A. C. 7423.				May 14	G	...	173 19 29.58
July 19	B	...	145 13 55.05	16	G	21 30 10.05	29.96
Aug. 29	JS	21 16 45.18	55.54	17	CF	10.25	30.07
Sept. 3	IF	45.08	56.01	22	CF	10.65	31.76
5	JS	45.01	56.69	July 19	B	...	31.73
		21 16 45.09	145 13 55.82	Aug. 29	JS	...	32.01
B. A. C. 7471.				Sept. 5	JS	...	31.52
Sept. 12	JS	21 23 40.18	131 45 46.43	12	JS	...	32.61
13	CF	40.36	44.20	13	CF	...	33.54
16	JS	40.09	45.57	16	JS	...	31.41
17	IF	40.16	45.72	17	IF	...	31.81
		21 23 40.20	131 45 45.48	18	B	...	30.75
β Aquarii.						21 30 10.32	173 19 31.40
May 22	CF	21 24 33.28	...	λ Octantis S.P.			
Aug. 14	IF	33.33	...	May 22	CF	21 30 10.44	173 19 32.55
Sept. 3	IF	33.52	...	23	G	10.63	...
6	IF	33.34	...	28	OF	...	35.79
11	IF	33.30	...			21 30 10.54	173 19 34.17
Oct. 29	CF	33.37	...	γ Capricorni.			
		21 24 33.36	96 9	Sept. 11	IF	21 32 43.12	107 15 38.93
				Nov. 4	JS	43.17	41.27
						21 32 43.15	107 15 40.10

202 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ε Pegasi.				R. A. C. 7684.			
Oct. 15	CF	^{h m s} 21 37 39.19	80° 43' 59".00	Aug. 5	B	^{h m s} 21 58 5.42	130° 10' 59".71
29	CF	39.26	...	Sept. 6	IF	5.45	60.40
		21 37 39.23	80 43 59.00	12	JS	5.42	57.62
λ Capricorni.				13	CF	5.45	58.89
Oct. 8	IF	21 39 22.49	101 58 38.24	16	JS	5.26	59.93
9	G	22.46	39.31	17	IF	...	59.28
		21 39 22.48	101 58 38.78	20	CF	5.47	(53.80)
δ Capricorni.						21 58 5.41	130 10 59.31
Aug. 14	IF	21 39 41.63	106 43 44.22	α Aquarii.			
15	JS	41.87	44.69	Aug. 14	IF	21 58 57.13	...
		21 39 41.75	106 43 44.46	Sept. 11	IF	56.92	...
μ Capricorni.				24	CF	...	90 57 50.93
Aug. 14	IF	21 46 2.67	104 10 34.28	Oct. 4	CF	57.16	...
15	JS	2.60	34.23	15	CF	57.28	...
Oct. 8	IF	2.71	34.96	29	CF	57.10	...
9	G	2.63	34.45			21 58 57.12	90 57 50.93
		21 46 2.65	104 10 34.48	ι Aquarii.			
B. A. C. 7634.				Dec. 2	JS	21 59 15.06	104 30 48.74
Aug. 29	JS	21 49 4.31	149 38 38.00	3	CF	15.15	48.13
Sept. 5	JS	4.25	38.99			21 59 15.10	104 30 48.44
6	IF	4.34	38.11	C Octantis.			
12	JS	4.39	37.75	May 22	CF	22 5 12.55	176 38 21.15
		21 49 4.32	149 38 38.21	27	JS	12.67	18.99
				June 2	JS	12.87	21.49
						22 5 12.70	176 38 20.54

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
C Octantis S.P.				η Aquarii—continued.			
May 22	CF	^{h m s} 22 5 12.90	176° 38' 21".77	Sept. 11	IF	^{h m s} 22 28 31.24	° ... "
27	JS	12.29	22.24	17	IF	31.29	...
28	CF	...	22.23	Nov. 12	JS	31.31	...
31	JS	...	21.19			22 28 31.29	90.48
June 3	JS	12.07	22.90	κ Aquarii.			
4	IF	13.82	22.86	Aug. 15	JS	22 30 52.11	94 54 45.60
		22 5 12.77	176 38 22.20	β Octantis.			
θ Aquarii.				May 27	JS	22 32 16.19	172 4 36.18
June 3	JS	22 9 48.79	...	Sept. 13	CF	...	34.61
Sept. 5	JS	48.90	...	18	B	...	35.59
6	IF	48.83	...	20	CF	...	36.61
11	IF	48.88	98 26 40.62			22 32 16.19	172 4 35.75
12	JS	48.84	38.66	β Octantis S.P.			
Oct. 4	CF	48.74	38.79	May 27	JS	22 32 15.21	172 4 37.01
15	CF	48.78	38.59	ζ Pegasi.			
Nov. 12	JS	48.83	...	Dec. 3	CF	22 34 49.77	79 52
Dec. 2	JS	...	39.00	67 Aquarii.			
3	CF	48.91	...	July 20	JS	22 36 17.47	97 39 28.97
		22 9 48.83	98 26 39.13	B. A. C. 7965.			
σ Aquarii.				Oct. 30	B	22 45 21.26	160 46 57.26
Aug. 15	JS	22 23 36.35	...	Nov. 1	JS	21.63	56.43
Sept. 11	IF	36.55	101 21 27.54			22 45 21.45	160 46 56.85
12	JS	36.45	27.05	η Aquarii.			
Oct. 9	G	36.35	28.56	June 3	JS	22 28 31.30	...
10	B	36.46	(24.30)				
		22 23 36.43	101 21 27.72				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
λ Aquarii.				B. A. C. 8040.			
July 20	JS	^{h m s} 22 45 40.43	98° 17' 10".71	Oct. 30	B	^{h m s} 22 59 16.31	164° 18' (18".84)
Oct. 9	G	40.66	10.75	Nov. 1	JS	16.54	13.21
10	B	40.73	10.04	4	JS	16.68	15.58
		22 45 40.61	98 17 10.50			22 59 16.51	164 18 14.40
α Piscis Australis.				τ Octantis.			
Mar. 13	CF	...	120 19 32.16	June 5	G	23 6 35.84	...
18	G	...	33.62	7	CF	...	178 12 41.61
22	G	...	33.67	10	G	35.21	...
June 7	CF	22 50 17.72	...	17	CF	34.42	...
July 30	JS	17.72	32.29	24	JS	...	39.35
Sept. 12	JS	17.69	...			23 6 35.16	178 12 40.48
Oct. 4	CF	17.96	33.60	τ Octantis S.P.			
		22 50 17.77	120 19 33.07	June 5	G	...	178 12 40.11
B. A. C. 8002.				6	G	23 6 36.14	40.26
May 27	JS	22 52 18.99	120 10 26.70	10	G	37.68	...
B. A. C. 8006.				11	B	35.88	41.30
Nov. 1	JS	22 52 51.43	149 8 58.69	12	CF	...	40.74
4	JS	51.45	58.98	17	CF	34.42	39.75
		22 52 51.44	149 8 58.84	24	JS	...	39.73
α Pegasi.						23 6 36.03	178 12 40.32
June 17	CF	22 58 8.32	...	ϕ Aquarii.			
Sept. 12	JS	8.31	...	June 23	CF	23 7 26.23	96 45 54.38
Nov. 21	B	8.33	...	Aug. 17	G	26.09	54.70
		22 58 8.3	75 31	Sept. 12	JS	25.99	55.54
				13	CF	26.13	53.03
						23 7 26.11	96 45 54.41

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 8090.				B. A. C. 8190.			
Nov. 1	JS	^{h m s} ... 170° 11' 55".83		Nov. 1	JS	^{h m s} 23 24 39.35 168° 7' 9".03	
4	JS	... 54.81		4	JS	39.91 8.66	
		23 9 1 170 11 55.32				23 24 39.63 168 7 8.85	
ψ ² Aquarii.				ι Piscium.			
June 23	CF	23 10 59.42 99 54 27.67		Aug. 17	G	23 33 6.71 ...	
Sept. 12	JS	59.45 28.03		Oct. 4	CF	6.65 ...	
		23 10 59.44 99 54 27.85				23 33 6.68 85 6	
γ Sculptoris.				λ Piscium.			
Aug. 1	B	... 123 15 20.81		July 20	JS	23 35 15.62 88 57 5.00	
Oct. 4	CF	23 11 38.15 20.33		21	JS	... 4.12	
7	JS	38.12 20.31		Oct. 10	B	15.62 5.40	
		23 11 38.14 123 15 20.48				23 35.15.62 88 57 4.84	
B. A. C. 8143.				B. A. C. 8251.			
Nov. 1	JS	23 15 47.54 146 16 54.05		Nov. 1	JS	23 36 46.66 161 13 48.51	
4	JS	47.58 54.40		4	JS	46.92 48.38	
		23 15 47.56 146 16 54.23				23 36 46.79 161 13 48.45	
κ Piscium.				δ Sculptoris.			
July 20	JS	... 89 28 18.90		Oct. 4	CF	23 41 59.51 118 52	
21	JS	... 19.62		21 Piscium.			
Aug. 17	G	23 20 6.86 18.74		June 23	CF	23 42 39.11 89 39 42.69	
Oct. 10	B	... 17.41		24	JS	39.08 42.64	
		23 20 6.86 89 28 18.67				23 42 39.10 89 39 42.67	

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 8290.				B. A. C. 8319— <i>continued</i> .			
Aug. 1	B	h m s ...	172° 45' 28".89	Oct. 4	CF	h m s ...	172° 54' 33".50
5	B	23 44 11.80	27.87	7	JS	...	32.77
Sept. 26	JS	...	26.97	8	IF	...	33.38
		23 44 11.80	172 45 27.91			23 50 9.27	172 54 33.24
B. A. C. 8319.				27 Piscium.			
				June 24	JS	23 51 51.90	94 17 36.73
Aug. 1	B	...	172 54 33.72	♄ Piscium.			
5	B	23 50 9.27	33.77				
Sept. 26	JS	...	32.27	Aug. 17	G	23 52 28.93	83 52

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

CATALOGUE
OF
MEAN RIGHT ASCENSIONS
AND
MEAN DECLINATIONS,
FOR
1867⁰,
OF
STARS OBSERVED IN THE YEAR 1867.

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
1	B.A.C. 19	5·3	0·59	1	h m s 0 3 56·69	+2·876	0·68	5	—82 57' 48" 56	+20'·08
2	γ Pegasi.....	3·0	0·00	3	0 6 23·51	+3·081	...	...	+14 27	+20'·03
3	B.A.C. 33	4·6	0·83	3	0 7 52·89	+3·056	0·83	3	—19 40 11·30	+20'·04
4	B.A.C. 45	6·7	0·70	2	0 9 47·57	+2·833	0·64	3	—76 39 3·29	+20'·03
5	B.A.C. 56	7·0	0·76	3	0 10 51·94	+2·731	0·76	4	—79 31 5·57	+20'·03
6	• Octantis	7·2	0·49	1	0 13 2·38	—1·878	0·48	2	—89 6 8·26	+20'·00
7	• Octantis S.P. ....	...	0·51	1	9·38	...	0·51	2	10·47	...
8	B.A.C. 64	4·3	0·81	2	0 13 7·33	+2·904	0·81	2	—65 39 21·03	+20'·02
9	d Piscium	5·6	...	...	0 13 45	+3·081	0·55	1	+ 7 27 5·91	+20'·07
10	B.A.C. 70	5·3	0·82	2	0 14 27·65	+2·837	0·82	2	—70 21 47·42	+20'·02
11	B.A.C. 72	5·5	0·80	2	0 14 49·95	+3·022	0·80	2	—29 43 0·37	+20'·01
12	β Hydri	2·9	0·00	21	0 18 42·60	+3·284	0·00	17	—78 0 11·70	+20'·25
13	β Hydri S.P. ....	...	0·00	25	42·74	...	0·00	14	13·56	...
14	B.A.C. 93	4·0	0·78	4	0 19 39·31	+2·961	0·78	4	—44 25 3·12	+19'·98
15	B.A.C. 94	2·5	0·82	4	0 19 42·26	+2·965	0·82	4	—43 1 42·04	+19'·98
16	10 Ceti	6·2	0·73	3	0 19 48·33	+3·070	0·68	4	—0 47 9·97	+19'·98
17	12 Ceti	6·2	0·00	6	0 23 15·22	+3·059	0·00	1	—4 41 33·01	+19'·94
18	β ¹ Toucani.....	4·5	0·78	2	0 25 25·95	+2·773	0·69	3	—63 41 27·87	+19'·93
19	β ² Toucani.....	4·3	0·79	3	0 25 26·60	+2·773	0·72	4	—63 41 54·08	+19'·93
20	β ³ Toucani.....	5·1	0·77	4	0 26 39·32	+2·772	0·77	4	—63 45 49·69	+19'·93
21	B.A.C. 141	6·9	0·86	2	0 27 51·92	+2·920	0·86	2	—43 9 55·56	+19'·91
22	13 Ceti	5·3	0·73	3	0 28 24·28	+3·087	0·73	3	—4 19 30·78	+19'·87
23	B.A.C. 183	4·6	0·79	4	0 35 1·99	+2·856	0·75	5	—46 48 54·43	+19'·82
24	B.A.C. 188	5·8	0·80	2	0 35 41·98	+2·751	0·71	3	—57 14 0·12	+19'·81
25	B.A.C. 192	6·1	0·78	2	0 36 18·73	+2·901	0·78	2	—39 11 32·37	+19'·81
26	β Ceti.....	2·1	0·00	4	0 36 54·77	+3·012	0·00	2	—18 42 59·80	+19'·82
27	η Phœnicis	4·5	0·81	1	0 37 21·93	+2·723	0·81	1	—58 11 33·15	+19'·79
28	B.A.C. 202	5·8	0·78	2	0 37 45·81	+2·894	0·78	2	—39 9 16·70	+19'·78
29	δ Piscium	4·6	0·68	3	0 41 47·02	+3·108	0·68	3	+ 6 51 40·27	+19'·72
30	λ Hydri.....	5·0	0·79	5	0 43 57·53	+2·102	0·79	5	—75 38 51·12	+19'·69

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°o.	Annual Variation 1865°o.
31	ρ Phœnicis	5°0'075	4	0 44 37'48	+2°745	0°75	4	—51°42'47"17	+19°69	
32	20 Ceti	5°0'070	1	0 46 12'85	+3°063	0°70	1	—1°51'59'98	+19°65	
33	B.A.C. 265	6°9'083	1	0 49 59'00	+2°675	0°83	1	—53°54'40'20	+19°58	
34	B.A.C. 271	5°8'088	1	0 52 4'46	+3°007	0°88	1	—12°5'52'85	+19°54	
35	ϵ Piscium	4°5' ...	...	0 56 3	+3°106	0°00	3	+7°10'25'35	+19°49
36	ω Phœnicis	5°9'071	5	0 56 23'86	+2°560	0°71	5	—57°43'8'11	+19°45	
37	B.A.C. 301	6°7'084	2	0 57 36'70	+2°320	0°84	2	—66°10'16'13	+19°43	
38	B.A.C. 306	6°5'089	1	0 58 15'75	+2°843	0°89	1	—34°14'45'34	+19°41	
39	30 Ceti	5°9'088	1	1 1 5'07	+3°007	0°88	1	—10°29'50'06	+19°35	
40	B.A.C. 340	4°1'067	4	1 2 47'28	+2°538	0°67	4	—55°57'24'91	+19°31	
41	B.A.C. 354	6°8'083	3	1 4 47'75	+2°486	0°83	3	—57°34'9'03	+19°26	
42	ζ Piscium (1st Star) ..	5°2'078	2	1 6 47'15	+3°130	0°78	2	+6°52'17'52	+19°15	
43	41 Ceti	7°0'088	1	1 11 1'49	+3°012	0°88	1	—8°21'42'44	+19°10	
44	κ Toucani (2nd Star) ..	5°5'076	5	1 11 15'08	+2°053	0°76	5	—69°34'57'39	+19°17	
45	B.A.C. 422	6°9'082	5	1 17 21'64	+2°026	0°82	5	—67°4'48'13	+18°93	
46	θ^1 Ceti	3°8'000	3	1 17 22'59	+2°996	0°00	1	—8°52'13'45	+18°71	
47	B.A.C. 428	6°3'083	1	1 18 55'10	+2°617	0°83	1	—45°13'18'12	+18°88	
48	B.A.C. 447	3°3'076	4	1 22 35'23	+2°617	0°76	4	—43°59'59'94	+18°77	
49	μ Piscium	5°2'093	2	1 23 13'22	+3°138	0°93	2	+5°27'28'04	+18°58	
50	η Piscium	3°7'000	1	1 24 22'27	+3°198	...	...	+14°40	+18°71
51	49 Ceti	5°5'088	1	1 28 8'04	+2°926	0°88	1	—16°21'30'83	+18°59	
52	B.A.C. 478	7°0'090	2	1 28 42'39	+2°542	0°90	2	—46°22'35'00	+18°57	
53	B.A.C. 497	6°0'083	1	1 31 52'13	+2°206	0°83	1	—58°56'59'16	+18°47	
54	α Eridani	0°5'000	1	1 32 45'45	+2°236	...	...	—57°55	+18°43
55	B.A.C. 513	7°0'089	2	1 33 38'82	+2°338	0°89	2	—54°6'48'38	+18°39	
56	ν Piscium	4°7'000	4	1 34 30'82	+3°113	0°00	4	+4°48'49'20	+18°33	
57	σ Piscium	4°4'075	3	1 38 22'42	+3°161	0°75	3	+8°29'14'27	+18°25	
58	B.A.C. 539	5°7'088	1	1 39 18'94	+3°009	0°88	1	—6°23'55'95	+18°21	
59	B.A.C. 552	6°4'088	3	1 41 38'43	+2°548	0°88	3	—42°25'35'76	+18°12	
60	ζ Ceti	3°9'088	1	1 44 53'76	+2°955	0°88	1	—10°59'33'53	+17°88	

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
					h m s	s				
61	B.A.C. 571.....	5·9 0·89	1	1	45 44·66	+2·341	0·89	1	—50° 51' 55" 14	+17" 96
62	β Arietis	2·8 0·00	2	1	47 17·81	+3·295	0·00	1	+20 9 24·20	+17·79
63	B.A.C. 582.....	4·1 0·75	6	1	48 18·70	+2·406	0·75	6	—46 57 16·89	+17·72
64	ϕ Phœnicis.....	5·0 ...	...	1	48 51	+2·499	0·63	1	—43 9 1·40	+17·84
65	η^1 Hydri	Var. 0·30	1	1	49 12·99	+1·507	0·80	1	—68 35 58·23	+17·83
66	B.A.C. 621	5·4 0·90	2	1	54 9·79	+2·484	0·90	2	—42 40 22·53	+17·62
67	B.A.C. 635.....	6·3 ...	...	1	56 12	+1·565	0·63	1	—66 42 41·53	+17·53
68	B.A.C. 638.....	6·3 0·89	1	1	56 7·37	—0·269	0·89	2	—78 59 53·53	+17·54
69	B.A.C. 636	5·7 0·88	1	1	56 34·40	+2·886	0·88	1	—15 56 51·88	+17·52
70	α Arietis.....	2·0 0·00	3	1	59 40·88	+3·367	0·00	1	+22 49 56·01	+17·24
71	B.A.C. 659	7·4 0·89	1	2	1 52·10	+2·078	0·89	1	—55 43 2·65	+17·29
72	B.A.C. 664	6·5 0·88	3	2	2 40·96	+2·447	0·88	3	—42 30 44·47	+17·25
73	B.A.C. 671	6·9 0·89	2	2	3 40·26	+1·486	0·91	3	—66 34 38·75	+17·21
74	ξ^1 Ceti	4·5 0·83	3	2	5 57·20	+3·169	0·83	3	+ 8 13 17·84	+17·07
75	67 Ceti	5·5 0·00	8	2	10 21·11	+2·986	0·00	1	— 7 2 9·05	+16·77
76	B.A.C. 726.....	6·6 0·88	3	2	14 6·34	+2·395	0·88	3	—42 27 42·36	+16·72
77	B.A.C. 730	6·6 0·96	1	2	14 24·84	—0·129	0·96	1	—76 58 30·95	+16·70
78	69 Ceti	5·8 0·89	1	2	15 8·03	+3·069	0·89	1	— 0 12 46·84	+16·67
79	B.A.C. 736	7·3 0·92	2	2	16 10·59	+1·903	0·92	2	—57 23 36·37	+16·62
80	B.A.C. 739	6·5 0·88	3	2	16 58·73	+2·350	0·88	3	—43 48 31·12	+16·58
81	B.A.C. 742	7·3 0·93	1	2	17 25·99	+2·628	0·93	1	—30 28 17·23	+16·56
82	71 Ceti	6·5 0·90	2	2	18 15·33	+3·027	0·90	2	— 3 22 58·72	+16·52
83	B.A.C. 753	6·9 0·91	2	2	19 13·68	+1·877	0·91	2	—57 25 6·91	+16·47
84	ξ^2 Ceti	4·4 0·00	6	2	21 5·46	+3·180	0·00	6	+ 7 51 45·75	+16·36
85	B.A.C. 767	6·0 ...	...	2	22 5	+0·316	0·96	2	—74 14 52·96	+16·32
86	B.A.C. 768	5·9 0·93	1	2	22 51·40	+2·591	0·93	1	—31 41 51·03	+16·29
87	B.A.C. 781	4·7 0·90	2	2	25 47·01	+2·847	0·90	2	—15 49 46·20	+16·15
88	B.A.C. 801	6·5 0·89	3	2	29 22·62	+2·046	0·89	3	—51 40 36·19	+15·95
89	B.A.C. 799	5·8 0·93	1	2	29 27·33	+2·952	0·93	1	— 8 24 41·09	+15·94
90	B.A.C. 815	5·0 0·90	2	2	33 7·94	+2·890	0·90	2	—12 26 16·79	+15·75

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					h m s	s				
91	B.A.C. 824.....	7·4	2 33 52	+0°050	0·96	1	—74° 36' 12" 49	+15" 70
92	B.A.C. 835.....	7·1	0·88	2	2 35 42·27	+1°005	0·90	3	—67 52 26·99	+15·60
93	γ Ceti.....	3·6	0·00	4	2 36 24·69	+3°101	0·00	2	+ 2 40 25·14	+15·39
94	B.A.C. 839.....	5·2	0·93	1	2 36 31·28	+1°862	0·93	1	—55 7 12·54	+15·56
95	B.A.C. 841	6·5	0·89	2	2 36 40·34	+1°272	0·89	2	—64 51 12·98	+15·55
96	μ Ceti.....	4·4	0·69	3	2 37 45·36	+3°234	0·53	4	+ 9 33 4·32	+15·45
97	B.A.C. 856	4·7	0·90	2	2 38 53·70	+2°776	0·90	2	—19 8 11·76	+15·43
98	B.A.C. 862.....	6·1	0·89	1	2 39 54·66	+1°928	0·89	1	—53 7 59·00	+15·37
99	B.A.C. 869.....	6·2	0·96	1	2 41 7·63	+1°007	0·96	1	—67 16 27·88	+15·30
100	B.A.C. 873.....	6·7	0·93	1	2 42 10·09	+2°438	0·93	1	—36 6 22·83	+15·24
101	B.A.C. 884.....	7·3	0·89	3	2 44 8·32	+2°134	0·89	3	—46 54 2·82	+15·13
102	σ Arietis.....	5·5	0·64	1	2 44 8·88	+3°300	...	...	+14 32	+15·09
103	B.A.C. 886.....	5·7	0·90	1	2 44 52·00	+2°423	0·90	1	—36 23 44·11	+15·09
104	B.A.C. 899.....	7·5	0·96	1	2 47 26·51	+1°658	0·96	1	—57 44 23·99	+14·94
105	B.A.C. 900.....	6·7	0·93	1	2 47 41·36	+2°270	0·93	1	—41 56 14·38	+14·93
106	B.A.C. 911.....	6·4	0·92	1	2 49 27·66	+1°268	0·78	2	—63·27 13·69	+14·82
107	B.A.C. 910.....	4·0	0·90	2	2 49 55·90	+2°923	0·90	2	— 9 25 43·55	+14·80
108	B.A.C. 919.....	6·9	0·89	2	2 50 34·54	+1°038	0·89	4	—65 59 48·20	+14·75
109	B.A.C. 917.....	7·0	0·96	1	2 50 40·34	+2°334	0·96	1	—39 11 25·68	+14·75
110	B.A.C. 922.....	5·4	0·90	2	2 51 28·91	+2°660	0·90	2	—24 23 48·17	+14·70
111	B.A.C. 942.....	6·7	0·93	1	2 53 45·18	+1°733	0·93	1	—55 32 54·45	+14·57
112	α Ceti.....	2·7	0·00	3	2 55 19·80	+3°127	0·00	3	+ 3 33 57·81	+14·36
113	B.A.C. 952.....	5·4	0·90	2	2 56 10·75	+2°937	0·90	2	— 8 12 36·09	+14·42
114	B.A.C. 956.....	5·0	0·33	3	2 56 17·52	+1°124	0·33	3	—64 36 2·72	+14·37
115	B.A.C. 958.....	7·3	0·90	1	2 57 7·38	+1°144	0·90	1	—64 9 20·07	+14·36
116	B.A.C. 970.....	7·8	0·95	3	3 0 23·34	+1°866	0·95	3	—51 50 32·95	+14·16
117	θ Hydri.....	5·4	0·74	3	3 1 59·77	+0°063	0·71	4	—72 25 18·58	+14·05
118	B.A.C. 984.....	7·0	0·90	1	3 3 26·51	+2°377	0·90	1	—35 56 17·12	+13·97
119	δ Arietis.....	4·5	0·00	2	3 4 1·64	+3°417	0·00	4	+19 13 18·65	+13·94
120	B.A.C. 992	7·5	0·93	2	3 5 16·31	+1°279	0·93	3	—61 39 30·78	+13·85

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
					h m s	s			° ' " 96	"
121	B.A.C. 994.....	5°00'90	2	3	5 59'37	+3°043	0°90	2	— 1 41 41'96	+13'81
122	B.A.C. 1000.....	6°00'87	3	3	6 48'13	+0°430	0°87	3	—69 46 19'49	+13'76
123	B.A.C. 1002.....	6°80'90	2	3	7 19'76	+1°491	0°90	2	—58 18 44'14	+13'72
124	B.A.C. 1003.....	6°20'96	1	3	7 48'92	+2°351	0°96	1	—36 26 34'29	+13'69
125	B.A.O. 1019.....	6°40'93	1	3	10 42'31	+2°470	0°93	1	—31 19 10'50	+13'51
126	B.A.C. 1022.....	5°70'90	2	3	11 34'21	+3°047	0°90	2	— 1 24 56'99	+13'45
127	B.A.C. 1038.....	5°70'35	4	3	12 9'34	—2°293	0°35	4	—79 29 34'77	+13'40
128	B.A.C. 1036(1st Star)	7°00'89	4	3	13 4'50	+0°938	0°89	4	—64 55 55'11	+13'35
129	B.A.C. 1036(2nd Star)	9°5 ...	...	3	13 7	+0°937	0°89	1	—64 56 0'06	+13'35
130	B.A.C. 1037.....	3°80'90	1	3	13 36'03	+2°664	0°90	1	—22 14 35'65	+13'32
131	B.A.C. 1042.....	6°90'96	1	3	14 4'11	+2°358	0°96	1	—35 29 14'18	+13'29
132	B.A.C. 1048.....	5°50'97	1	3	14 53'67	+1°092	0°97	1	—63 5 6'82	+13'23
133	♄ Tauri.....	3°80'88	3	3	17 39'50	+3°225	0°88	3	+ 8 33 31'80	+12'96
134	B.A.C. 1060.....	6°70'94	2	3	18 24'28	+2°406	0°94	2	—33 10 50'03	+13'00
135	B.A.C. 1075.....	6°60'89	3	3	20 39'19	+1°779	0°89	3	—51 31 57'66	+12'85
136	B.A.C. 1074.....	6°20'87	3	3	20 47'43	+2°316	0°86	4	—36 23 17'48	+12'84
137	Lacaille 1103.....	7°0 ...	...	3	20 51	+2°314	0°83	1	—36 25 30'38	+12'84
138	B.A.C. 1082.....	5°40'96	3	3	22 24'32	+2°318	0°96	3	—36 8 40'80	+12'73
139	B.A.C. 1085.....	6°6 ...	...	3	23 4	+2°311	0°83	1	—36 18 52'78	+12'69
140	B.A.C. 1091.....	6°40'97	1	3	23 29'85	+0°208	0°97	2	—70 5 30'51	+12'66
141	♄ Tauri.....	4°30'82	6	3	23 32'03	+3°306	0°82	6	+12 28 43'67	+12'66
142	B.A.C. 1090.....	4°80'91	3	3	24 1'23	+2°971	0°91	3	— 5 31 57'65	+12'63
143	B.A.C. 1103.....	4°80'89	3	3	27 3'74	+0°973	0°89	3	—63 24 23'73	+12'41
144	B.A.C. 1104.....	4°20'90	1	3	27 54'74	+2°644	0°90	1	—22 4 50'12	+12'36
145	B.A.C. 1106.....	5°60'95	4	3	28 36'89	+1°775	0°95	4	—50 49 51'11	+12'31
146	B.A.C. 1109.....	6°70'35	2	3	29 13'70	+2°403	0°35	2	—32 19 13'73	+12'27
147	B.A.C. 1113.....	5°70'97	1	3	29 30'51	+0°583	0°97	1	—66 56 26'88	+12'24
148	B.A.C. 1110.....	6°90'93	1	3	29 57'90	+3°073	0°93	1	+ 0 9 7'29	+12'22
149	♄ Tauri.....	4°40'92	1	3	30 5'25	+3°056	0°92	1	— 0 1 19'28	+11'71
150	B.A.C. 1118.....	7°00'96	1	3	31 18'51	+2°039	0°96	1	—44 9 29'33	+12'12

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
151	B.A.C. 1124	6·4	0·99	1	h m s 3 32 27·45	+2·958	0·99	1	— 6° 3' 15·23	+12·05
152	Brisbane 593	5·6	0·87	3	3 34 53·90	—2·374	0·87	3	—78 47 43·47	+11·86
153	B.A.C. 1136	6·9	0·97	2	3 35 0·27	+2·142	0·97	2	—40 47 2·68	+11·86
154	B.A.C. 1141	7·3	...	...	3 35 30	+1·185	0·96	1	—60 12 38·57	+11·83
155	B.A.C. 1145	7·1	0·91	3	3 36 26·95	+2·124	0·91	3	—41 11 45·79	+11·76
156	17 Tauri	3·8	0·05	2	3 36 58·95	+3·548	...	...	+23 42	+11·69
157	B.A.C. 1152	5·6	0·96	2	3 37 12·77	+2·862	0·96	2	—10 54 27·93	+11·71
158	7 Tauri	3·0	0·00	3	3 39 34·95	+3·551	0·00	2	+23 41 33·21	+11·48
159	B.A.C. 1183	8·5	0·92	2	3 40 54·31	+1·509	0·92	2	—54 53 59·42	+11·44
160	ε Tauri	5·1	0·69	3	3 40 58·86	+3·280	0·69	3	+10 43 56·36	+11·39
161	τ ⁷ Eridani	4·8	0·93	1	3 41 56·43	+2·576	0·93	1	—24 17 16·27	+11·37
162	B.A.C. 1197	3·8	0·61	3	3 42 32·50	+0·726	0·61	3	—65 13 31·94	+11·37
163	B.A.C. 1215	6·4	0·97	1	3 46 6·79	—0·376	0·97	2	—72 4 8·19	+11·06
164	30 Eridani	5·4	0·96	2	3 46 7·65	+2·959	0·96	2	— 5 45 37·47	+11·07
165	B.A.C. 1216	4·8	0·95	3	3 47 36·81	+3·006	0·95	3	— 3 20 59·32	+10·96
166	τ ⁸ Eridani	4·7	...	...	3 48 3	+2·550	0·06	1	—25 0 29·20	+10·92
167	τ ⁸ Eridani	5·1	0·04	3	3 48 35·00	+2·282	0·04	3	—35 7 36·08	+10·88
168	γ Hydri	3·1	0·54	5	3 49 19·97	—1·021	0·42	5	—74 38 45·17	+10·92
169	γ Hydri S.P. ....	...	0·64	1	20·10	...	0·64	2	47·40	...
170	B.A.C. 1232	6·9	0·85	3	3 50 28·67	+1·868	0·85	3	—46 48 25·93	+10·75
171	B.A.C. 1231	6·8	0·90	1	3 50 29·08	+2·154	0·90	1	—39 8 56·60	+10·75
172	γ ¹ Eridani	3·1	0·00	8	3 51 49·52	+2·794	0·00	1	—13 53 17·98	+10·53
173	λ Tauri	Var.	0·34	5	3 53 18·93	+3·316	0·27	4	+12 6 44·62	+10·55
174	35 Eridani	5·2	0·96	2	3 54 47·85	+3·033	0·96	2	— 1 55 27·03	+10·43
175	γ Reticuli	4·4	0·46	2	3 58 58·93	+0·850	0·32	3	—62 31 51·57	+10·11
176	ε Reticuli	4·8	0·90	1	3 59 8·93	+0·948	0·90	1	—61 27 6·12	+10·12
177	C.G.A. 4564	8·5	0·93	1	3 59 29·77	+1·923	0·93	1	—44 50 38·34	+10·07
178	B.A.C. 1273	5·5	0·97	3	4 0 8·56	+2·456	0·97	3	—28 1 2·92	+10·02
179	B.A.C. 1278	6·7	...	4	1 32	—0·411	0·96	1	—71 32 5·72	+ 9·91
180	B.A.C. 1277	8·0	0·91	3	4 1 42·90	+1·112	0·91	3	—59 19 1·08	+ 9·90

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
181	37 Eridani.....	5·80°08	1	4	h m s 4 3 53·43	+2·921	...	...	— 7° 16' "	+ 9"70
182	o ¹ Eridani.....	4·10°00	13	4	5 22·48	+2·921	0·00	5	— 7 11 9·84	+ 9·70
183	B.A.C. 1319.....	6·80°89	2	4	8 47·59	— 3·007	0·91	3	—78 59 13·37	+ 9·35
184	o ² Eridani.....	4·50°92	1	4	9 8·98	+2·764	0·92	1	— 7 51 43·80	+ 5·89
185	B.A.O. 1327.....	7·30°93	1	4	11 49·36	+2·101	0·93	1	—39 12 46·90	+ 9·12
186	γ Tauri.....	3·90°04	2	4	12 13·60	+3 407	0·04	2	+15 18 14·07	+ 9·07
187	B.A.C. 1336.....	3·40°39	2	4	12 42·98	+0·754	0·39	2	—62 48 25·57	+ 9·10
188	B.A.O. 1334.....	6·10°97	2	4	12 56·53	+2·559	0·97	2	—23 17 46·51	+ 9·04
189	B.A.O. 1340.....	6·90°83	1	4	14 8·77	+2·506	0·83	1	—25 20 48·51	+ 8·94
190	B.A.C. 1344.....	4·40°02	3	4	14 11·89	+1·028	0·02	3	—59 37 19·44	+ 8·94
191	B.A.C. 1345.....	6·40°90	1	4	14 20·54	+0·887	0·93	2	—61 16 33·26	+ 8·92
192	B.A.O. 1354.....	5·90°89	3	4	15 23·30	+1·469	0·89	3	—53 11 3·55	+ 8·84
193	θ Reticuli.....	6·10°04	2	4	16 11·36	+0·652	0·04	3	—63 34 43·10	+ 8·78
194	B.A.C. 1360.....	5·30°96	2	4	17 3·67	+2·986	0·96	2	— 4 3 16·58	+ 8·72
195	η Reticuli.....	5·20°67	1	4	20 27·41	+0·640	0·67	1	—63 42 9·58	+ 8·58
196	ε Tauri.....	3·70°00	13	4	20 51·18	+3·492	0·00	7	+18 52 59·42	+ 8·38
197	B.A.C. 1387(onemars)	7·50°96	1	4	21 36·46	+1·174	0·97	2	—57 22 22·97	+ 8·35
198	45 Eridani.....	4·90°93	2	4	25 4·31	+3·065	0·93	2	— 0 19 53·42	+ 8·08
199	α Tauri.....	1·00°00	15	4	28 17·46	+3·435	0·00	11	+16 14 21·86	+ 7·64
200	B.A.C. 1422.....	4·60°78	3	4	28 17·50	+2·360	0·78	3	—30 2 15·24	+ 7·82
201	B.A.O. 1427.....	6·50°97	2	4	29 23·90	+2·987	0·97	2	— 3 53 11·07	+ 7·73
202	B.A.O. 1433.....	3·80°02	3	4	30 22·82	+2·335	0·02	3	—30 50 10·02	+ 7·65
203	τ Tauri.....	4·40°12	2	4	34 15·95	+3·591	0·12	2	+22 41 58·00	+ 7·33
204	β Caeli.....	5·20°67	1	4	37 21·23	+2·116	0·67	1	—37 24 19·65	+ 7·08
205	B.A.C. 1469.....	4·30°99	1	4	38 51·25	+2·994	0·99	1	— 3 30 00·46	+ 6·96
206	λ Pictoris.....	5·30°02	1	4	39 22·08	+1·536	0·02	1	—50 43 56·68	+ 6·91
207	B.A.C. 1489.....	5·40°97	1	4	42 21·10	+0·890	0·97	2	—59 58 37·72	+ 6·67
208	B.A.C. 1498.....	5·20°99	1	4	44 12·01	+2·699	0·99	1	—16 26 58·75	+ 6·52
209	B.A.O. 1503.....	6·80°97	2	4	45 1·42	+0·934	0·97	2	—59 22 21·02	+ 6·45
210	o ³ Orionis.....	4·30°45	4	4	48 53·76	+3·367	0·45	4	+13 18 6·75	+ 6·09

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					^h ^m ^s	^s				
211	B.A.C. 1548	6·90·97	2	4	53 18·82	+0·070	0·97	2	—66° 53' 15" 16	+ 5" 75
212	63 Eridani.....	5·70·99	1	4	53 32·84	+2·836	0·99	1	—10 27 35·25	+ 5·74
213	ψ Eridani	4·70·97	2	4	54 59·65	+2·907	0·97	2	— 7 22 15·98	+ 5·62
214	11 Orionis	4·70·04	2	4	56 58·31	+3·424	0·04	2	+15 12 59·28	+ 5·43
215	B.A.C. 1587	5·20·70	1	4	59 1·66	—1·791	0·78	3	—75 8 22·66	+ 5·27
216	ε Leporis.....	3·30·00	8	4	59 49·86	+2·536	0·00	2	—22 33 5·83	+ 5·14
217	β Eridani	2·90·97	2	5	1 18·83	+2·953	0·97	2	— 5 15 38·14	+ 5·09
218	β Mensæ.....	5·30·97	1	5	4 26·98	—0·807	0·97	1	—71 29 48·46	+ 4·81
219	B.A.C. 1618	6·80·43	2	5	7 9·62	+2·883	0·77	1	— 8 18 22·97	+ 4·59
220	β Orionis	0·30·00	10	5	8 8·81	+2·880	0·00	7	— 8 21 26·28	+ 4·49
221	B.A.C. 1652	7·00·97	1	5	12 34·95	+1·376	0·97	1	—52 19 48·55	+ 4·12
222	ο Orionis	4·70·99	1	5	14 58·36	+3·060	0·99	1	— 0 30 55·25	+ 3·93
223	ζ Pictoris.....	5·60·90	3	5	16 6·39	+1·465	0·90	3	—50 44 59·71	+ 3·82
224	β Tauri	1·90·00	3	5	17 53·10	+3·787	0·00	2	+28 29 32·41	+ 3·47
225	B.A.C. 1697	7·5 ...	...	5	18 53	+0·707	0·96	1	—60 54 37·15	+ 3·58
226	B.A.C. 1708	6·60·99	1	5	20 53·14	+2·792	0·99	1	—12 0 53·20	+ 3·41
227	B.A.C. 1710	6·60·96	3	5	20 58·00	+1·784	0·96	3	—44 20 42·27	+ 3·40
228	119 Tauri	4·60·89	3	5	24 25·07	+3·517	0·89	3	+18 29 33·88	+ 3·12
229	δ Orionis.....	2·40·00	12	5	25 12·73	+3·064	0·00	8	— 0 24 0·18	+ 3·00
230	B.A.C. 1756	5·30·77	1	5	28 22·68	+2·015	0·77	1	—38 36 26·92	+ 2·76
231	ε Orionis	1·80·00	8	5	29 27·94	+3·041	0·00	2	— 1 17 22·06	+ 2·66
232	ζ Tauri.....	3·00·73	6	5	29 41·80	+3·586	0·73	6	+21 3 32·02	+ 2·63
233	ζ Orionis	1·90·99	1	5	34 3·05	+3·026	0·99	1	— 2 0 51·86	+ 2·28
234	α Columbæ.....	2·70·00	12	5	34 49·95	+2·178	0·00	8	—34 8 47·74	+ 2·20
235	B.A.C. 1836	6·7 ...	...	5	39 55	+1·698	0·96	1	—45 53 41·64	+ 1·76
236	μ Columbæ.....	5·40·18	1	5	41 3·55	+2·228	0·18	1	—32 21 31·06	+ 1·66
237	κ Orionis.....	2·20·99	1	5	41 26·96	+2·844	0·99	1	— 9 43 8·86	+ 1·63
238	β Pictoris.....	3·90·17	1	5	44 8·11	+1·419	0·17	1	—51 6 56·25	+ 1·39
239	55 Orionis	5·30·97	1	5	44 56·75	+2·896	0·97	1	— 7 33 19·46	+ 1·32
240	δ Doradus	4·50·44	2	5	45 32·02	+0·106	0·32	3	—65 47 7·65	+ 1·35

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241	χ^1 Orionis	4.7	0.42	2	h m s 5 46 30.41	+3.552	0.52	3	+20° 14' 55".48	+ 1".09
242	B.A.C. 1890	4.8	0.09	1	5 47 52.69	+1.355	0.09	1	-52 8 24.77	+ 1.06
243	α Orionis	Var.	0.00	5	5 47 58.28	+3.246	0.00	6	+ 7 22 47.50	+ 1.06
244	α Orionis .....R. ....	...	...	...	...	...	0.00	1	44.44	...
245	λ Columbae	5.0	0.13	4	5 48 17.13	+2.177	0.13	4	-33 49 56.58	+ 1.03
246	η Leporis	3.7	0.98	2	5 50 20.82	+2.734	0.98	2	-14 11 37.65	+ 0.85
247	β Monocerotis	4.8	0.98	2	5 55 35.07	+2.822	0.98	2	-10 36 10.42	+ 0.39
248	ν Orionis	4.4	0.00	7	5 59 58.76	+3.426	0.00	11	+14 46 55.39	- 0.01
249	η Geminorum	Var.	0.12	3	6 6 51.00	+3.624	0.12	3	+22 32 33.73	- 0.60
250	B.A.C. 2013	4.8	0.18	2	6 7 42.53	+1.168	0.18	2	-54 56 23.02	- 0.67
251	μ Geminorum	3.2	0.00	9	6 14 54.85	+3.632	0.00	17	+22 34 44.54	- 1.42
252	α Argus	-1.0	0.00	3	6 21 0.06	+1.330	0.00	4	-52 37 25.13	- 1.83
253	α Argus .....R. ....	...	...	...	...	...	0.00	2	28.24	...
254	B.A.C. 2109	4.6	0.18	1	6 23 14.40	+2.226	0.18	1	-32 29 50.36	- 2.02
255	γ Geminorum	2.0	0.00	5	6 30 1.68	+3.466	0.00	6	+16 30 36.31	- 2.57
256	ϵ Geminorum	3.2	0.12	3	6 35 45.00	+3.694	0.12	6	+25 15 35.24	- 3.11
257	ξ Geminorum	3.4	0.37	3	6 37 49.53	+3.369	0.37	3	+13 2 12.38	- 3.48
258	α Canis Majoris ..	-1.4	0.00	21	6 39 17.08	+2.645	0.00	39	-16 32 9.02	- 4.64
259	α Canis Majoris R. ....	...	...	...	...	...	0.00	9	10.51	...
260	α Puppis	5.3	0.17	1	6 42 48.26	+2.053	0.17	1	-37 47 2.72	- 3.72
261	Δ Carinae	4.4	0.17	1	6 46 57.83	+1.305	0.17	1	-53 28 3.77	- 4.08
262	37 Geminorum ...	6.2	0.09	1	6 47 7.84	+3.694	0.10	2	+25 32 21.93	- 4.08
263	39 Geminorum ...	6.5	0.08	1	6 50 35.55	+3.702	0.08	6	+26 15 10.62	- 4.30
264	ϵ Canis Majoris...	1.5	0.00	4	6 53 23.91	+2.358	0.00	11	-28 47 34.49	- 4.64
265	B.A.C. 2295	5.2	0.17	1	6 53 32.95	+2.197	0.17	1	-33 55 58.46	- 4.64
266	ζ Geminorum	Var.	0.60	3	6 56 13.21	+3.566	0.40	6	+20 45 44.81	- 4.88
267	γ Canis Majoris ..	4.1	0.00	2	6 57 44.51	+2.716	0.00	5	-15 26 19.34	- 4.99
268	47 Geminorum ...	5.5	0.09	10	7 3 8.12	+3.728	0.10	17	+27 4 20.19	- 5.49
269	B.A.C. 2392	5.1	0.02	2	7 9 14.69	+1.798	0.05	3	-44 57 9.52	- 5.96
270	γ^1 Volantis	5.3	0.17	2	7 9 49.30	-0.486	0.17	2	-70 16 50.23	- 6.02

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271	γ^2 Volantis.....	3·80·17			^{h m s} 2 7 9 51·62	^s —0·486	0·21	3	—70° 16' 55"·12	— 6"·02
272	δ Geminorum.....	3·70·00			3 7 12 10·75	+3·592	0·00	9	+22 13 28·34	— 6·22
273	B.A.C. 2427.....	5·3 ...			7 14 1	+2·046	0·25	1	—38 58 6·70	— 6·36
274	λ Geminorum.....	5·00·04			7 7 15 21·89	+3·664	0·05	14	+25 18 12·50	— 6·48
275	σ Argûs.....	3·00·29			2 7 25 0·77	+1·909	0·28	3	—43 2 0·51	— 7·26
276	B.A.C. 2484.....	4·70·08			1 7 25 32·26	+2·334	0·08	1	—30 41 2·32	— 7·31
277	α^2 Geminorum ...	2·20·00			1 7 26 6·54	+3·843	0·00	2	+32 10 38·45	— 7·43
278	ν Geminorum.....	4·20·05			5 7 27 43·45	+3·707	0·05	5	+27 11 17·25	— 7·58
279	B.A.C. 2514.....	7·0 ...			7 31 9	+3·633	0·01	1	+24 31 16·44	— 7·73
280	ζ Geminorum.....	5·20·20			2 7 31 47·64	+3·476	0·20	2	+17 58 29·87	— 7·80
281	α Canis Minoris..	0·50·00			5 7 32 20·37	+3·145	0·00	1	+ 5 33 48·84	— 8·89
282	B.A.C. 2528.....	7·00·27			2 7 33 2·85	+2·122	0·27	2	—37 42 46·32	— 7·92
283	B.A.C. 2530.....	4·40·20			4 7 33 22·25	+2·460	0·19	6	—26 30 2·83	— 7·94
284	B.A.C. 2531.....	4·90·22			3 7 33 22·70	+2·460	0·19	6	26 30 10·57	— 7·94
285	ϵ Geminorum.....	5·30·03			3 7 36 0·02	+3·668	0·03	4	+26 5 53·70	— 8·17
286	β Geminorum.....	1·10·00			1 7 37 10·45	+3·682	0·00	1	+28 20 41·65	— 8·30
287	B.A.C. 2575.....	6·80·27			1 7 39 49·99	+2·138	0·27	1	—37 37 25·35	— 8·46
288	B.A.C. 2607.....	3·80·08			3 7 43 26·35	—0·693	0·08	3	—72 17 8·54	— 8·75
289	B.A.C. 2602.....	3·40·17			1 7 43 41·91	+2·524	0·17	1	—24 31 38·94	— 8·76
290	ϕ Geminorum.....	4·90·02			2 7 45 21·20	+3·683	0·02	3	+27 6 27·77	— 8·92
291	B.A.C. 2644.....	4·30·18			1 7 49 23·63	+1·764	0·18	1	—47 45 26·16	— 9·21
292	1 Cancri.....	5·90·13			2 7 49 26·20	+3·418	0·13	2	+16 8 35·12	— 9·21
293	Lacaille 3088.....	7·50·04			2 7 51 52·97	+1·531	0·04	2	—52 33 5·66	— 9·40
294	B.A.C. 2655.....	4·80·31			1 7 52 22·01	+2·391	0·31	1	—29 58 40·97	— 9·44
295	B.A.C. 2670.....	4·50·17			2 7 54 24·93	+1·727	0·14	3	—48 53 5·86	— 9·60
296	6 Cancri.....	5·00·00			2 7 55 20·81	+3·698	...	...	+28 10	— 9·66
297	8 Cancri.....	5·10·13			2 7 57 39·86	+3·352	0·13	2	+13 29 41·71	— 9·89
298	μ^2 Cancri.....	5·30·87			1 7 59 56·14	+3·543	0·87	2	+21 57 53·99	—10·04
299	12 Cancri.....	6·50·27			1 8 1 16·40	+3·360	+14 2	—10·13
300	15 Argûs.....	2·90·00			1 8 1 52·72	+2·555	0·00	1	—23 55 21·36	—10·10

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301	ψ^2 Cancri.....	5·8			^h 8 ^m 2 ^s 26	+ 3·624	0·01	1	+25° 54' 28" 90	-10" 55
302	ζ^1 Cancri.....	5·0	0·40	3	8 4 34·96	+ 3·456	0·46	2	+18 2 48·12	-10·47
303	B.A.C. 2754.....	4·9	0·05	3	8 5 23·60	+ 1·849	0·05	5	-46 57 15·81	-10·43
304	B.A.C. 2755.....	1·9	0·05	2	8 5 26·04	+ 1·850	0·04	3	-46 56 44·05	-10·43
305	B.A.C. 2769.....	5·1	0·31	1	8 7 13·35	+ 2·759	0·31	1	-15 23 20·18	-10·56
306	B.A.C. 2773.....	4·5	0·15	4	8 7 29·23	+ 0·230	0·14	5	-68 13 34·18	-10·59
307	B.A.C. 2774.....	5·0	0·18	1	8 8 28·15	+ 2·265	0·18	1	-35 29 56·85	-10·66
308	A Octantis	7·8			8 15 50	-38·365	0·32	3	-88 28 41·69	-11·24
309	A Octantis S.P.	...			...	...	0·32	3	43·98	...
310	B.A.C. 2823.....	4·8	0·12	3	8 18 26·29	+ 1·848	0·12	4	-48 3 51·77	-11·39
311	B.A.C. 2832.....	1·7	0·29	1	8 19 47·03	+ 1·243	0·28	2	-59 4 55·61	-11·48
312	B.A.C. 2849.....	4·1	0·06	4	8 21 55·07	- 1·460	0·06	4	-76 29 52·28	-11·64
313	B.A.C. 2870.....	4·2	0·04	2	8 24 34·72	- 1·622	0·04	2	-77 3 13·82	-11·83
314	η Cancri	5·5	0·00	2	8 25 0·95	+ 3·479	0·00	4	+20 53 26·38	-11·91
315	B.A.C. 2947.....	3·7	0·03	3	8 36 12·96	+ 1·991	0·03	4	-46 10 35·81	-12·63
316	B.A.C. 2950.....	3·6	0·09	4	8 36 28·99	+ 1·722	0·09	4	-52 27 1·47	-12·65
317	δ Cancri	4·3	0·25	5	8 37 7·42	+ 3·423	0·43	7	+18 38 27·92	-12·93
318	B.A.C. 2962.....	4·4			8 37 40	+ 1·334	0·27	1	-59 17 14·06	-12·73
319	ϵ Hydræ.....	3·6	0·00	1	8 39 43·79	+ 3·184			+ 6 54	-12·91
320	B.A.C. 2979	2·0	0·11	2	8 41 1·88	+ 1·655	0·11	2	-54 13 18·41	-12·96
321	B.A.C. 2981.....	4·0	0·23	2	8 41 31·15	+ 2·034	0·23	2	-45 33 22·63	-12·99
322	B.A.C. 3023.....	5·7	0·03	4	8 45 46·55	- 1·840	0·03	3	-78 28 44·80	-13·28
323	α Cancri	4·3	0·23	3	8 51 12·68	+ 3·291	0·34	5	+12 22 14·30	-13·65
324	B.A.C. 3110.....	3·7	0·04	4	8 59 34·27	+ 2·072	0·04	4	-46 34 8·33	-14·15
325	B.A.C. 3114.....	4·1	0·09	3	9 0 20·26	+ 0·965	0·09	4	-65 51 55·35	-14·20
326	κ Cancri	5·0	0·28	2	9 0 32·57	+ 3·256	0·28	2	+11 12 6·10	-14·22
327	B.A.C. 3126.....	2·1	0·24	2	9 3 6·32	+ 2·206	0·25	3	-42 53 48·24	-14·37
328	B.A.C. 3130.....	5·4	0·31	1	9 4 18·39	+ 2·540	0·31	1	-29 49 25·42	-14·44
329	B.A.C. 3136.....	4·5	0·16	2	9 4 46·53	+ 0·213	0·13	3	-72 4 2·51	-14·47
330	B.A.C. 3149.....	3·5	0·08	3	9 7 28·04	+ 1·585	0·08	3	-58 25 22·24	-14·63

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
331	B.A.C. 3152	4.2	0.23	2	9 8 15.20	+1.376	0.23	2	61° 46' 18".60	-14".68
332	B.A.C. 3163	4.8	0.11	2	9 10 22.12	+2.368	0.16	3	38 0 59.16	-14.80
333	83 Cancri	6.6	0.00	2	9 11 33.34	+3.356	0.00	1	18 16 1.85	-15.04
334	β Argūs	1.7	0.55	4	9 11 43.76	+0.689	0.65	6	69 10 9.86	-14.79
335	β Argūs S.P.	...	...	...	...	...	0.83	2	10.03	...
336	γ Argūs	2.2	0.00	4	9 13 31.83	+1.602	0.00	4	58 43 5.39	-14.92
337	B.A.C. 3187	5.3	0.09	3	9 13 40.50	+1.997	0.09	3	50 29 33.20	-15.00
338	ζ Octantis	5.5	0.39	2	9 15 24.95	-7.214	0.38	3	85 7 31.28	-15.12
339	ζ Octantis S.P.	...	0.38	3	24.96	...	0.37	3	34.90	...
340	B.A.C. 3195	4.9	0.04	4	9 15 36.21	+2.655	0.04	5	25 24 1.44	-15.11
341	α Hydre	2.0	0.00	4	9 21 3.13	+2.949	0.00	5	8 5 0.34	-15.39
342	β Leonis	5.4	0.15	3	9 24 49.76	+3.226	0.15	3	10 18 2.87	-15.67
343	B.A.C. 3257	3.5	0.11	1	9 25 27.95	+2.348	0.11	1	39 53 7.31	-15.59
344	B.A.C. 3269	3.0	0.03	4	9 27 11.01	+1.825	0.03	4	56 26 53.44	-15.76
345	B.A.C. 3289	4.2	0.08	5	9 30 35.25	+1.740	0.08	5	58 38 14.15	-15.94
346	B.A.C. 3300	4.4	0.06	5	9 32 4.19	+2.154	0.06	5	48 45 35.75	-16.02
347	α Leonis	3.8	0.15	3	9 34 2.99	+3.226	0.15	3	10 29 45.84	-16.17
348	ε Leonis	3.1	0.00	2	9 38 17.82	+3.420	...	...	24 23	-16.36
349	π Leonis	5.0	0.00	5	9 53 11.07	+3.177	0.00	6	8 40 52.23	-17.09
350	α Leonis	1.4	0.00	5	10 1 17.13	+3.203	0.00	11	12 36 58.86	-17.41
351	C.G.A. 13822	8.5	0.03	3	10 2 39.41	+2.685	0.03	3	30 27 6.25	-17.48
352	B.A.C. 3516	3.6	0.15	2	10 10 34.31	+1.440	0.15	2	69 22 40.05	-17.81
353	γ ¹ Leonis	2.4	0.00	9	10 12 38.21	+3.317	0.00	1	20 30 47.67	-18.04
354	B.A.C. 3526	3.4	0.31	1	10 12 39.03	+1.998	0.31	1	60 40 4.97	-17.89
355	B.A.C. 3536	4.5	0.42	1	10 14 37.32	+2.245	0.42	1	54 21 43.36	-17.97
356	B.A.C. 3546	4.4	0.02	2	10 15 58.19	+2.223	0.02	2	55 22 25.78	-18.02
357	B.A.C. 3552	4.9	0.08	3	10 16 37.60	+2.566	0.08	3	40 58 52.42	-18.05
358	B.A.C. 3578	4.2	0.18	1	10 21 4.01	+2.744	0.18	1	30 23 28.37	-18.21
359	B.A.C. 3585	4.0	0.34	4	10 21 44.80	+1.214	0.34	4	73 21 17.58	-18.24
360	B.A.C. 3599	6.1	0.07	2	10 23 13.91	+1.896	0.06	4	65 1 36.57	-18.29

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
361	ρ Leonis.....	4°00'00		3	^h 10 ^m 25 ^s 48'46	+3°166	0°00	6	+ 9° 59' 24"86	-18°41
362	B.A.C. 3655.....	4°70'05		2	10 33 41'35	+2°270	0°05	2	-58 29 27'31	-18°65
363	B.A.C. 3660.....	4°10'12		4	10 33 52'16	+0°782	0°12	4	-77 55 4'30	-18°66
364	η Argus.....	Var. 0°00		16	10 39 54'55	+2°308	0°00	18	-58 59 8'41	-18°75
365	B.A.C. 3702.....	2°80'18		1	10 41 3'25	+2°557	0°18	1	-48 43 4'05	-18°87
366	ι Leonis.....	5°3 ...			10 42 16	+3°158	0°00	1	+11 14 54'23	-18°93
367	B.A.C. 3723.....	5°50'15		4	10 43 58'05	+0°663	0°15	4	-79 46 1'40	-18°96
368	B.A.C. 3724.....	4°60'40		3	10 44 30'26	+0°641	0°40	3	-79 50 18'96	-18°98
369	δ Leonis.....	5°00'28		2	10 53 41'56	+3°103	0°28	2	+ 4 19 52'34	-19°27
370	χ Leonis.....	4°70'00		6	10 58 9'36	+3°098	0°00	7	+ 8 3 16'57	-19°40
371	B.A.C. 3815.....	5°40'21		4	11 2 18'00	+2°900	0°21	4	-27 21 35'54	-19°42
372	B.A.C. 3822.....	5°80'37		3	11 3 29'99	+2°871	0°34	4	-31 38 43'02	-19°45
373	δ Leonis.....	2°80'00		2	11 7 1'82	+3°203	0°00	1	+21 15 8'28	-19°66
374	δ Hydre.....	3°90'00		2	11 12 41'64	+2°995	0°00	2	-14 3 32'23	-19°45
375	σ Leonis.....	4°10'11		3	11 14 16'63	+3°098	0°14	4	+ 6 45 28'26	-19°67
376	ϵ Leonis.....	5°10'36		2	11 23 31'05	+3°063	0°36	2	- 2 16 12'16	-19°82
377	B.A.C. 3927.....	5°70'17		1	11 26 20'04	+2°909	0°17	1	-39 42 14'49	-19°84
378	B.A.C. 3928.....	3°70'40		3	11 26 27'90	+2°953	0°40	3	-31 7 17'86	-19°84
379	B.A.C. 3929.....	5°60'13		3	11 27 8'65	+2°912	0°13	3	-39 51 11'17	-19°85
380	B.A.C. 3941.....	3°30'26		2	11 29 39'64	+2°735	0°26	2	-62 17 2'02	-19°88
381	ν Leonis.....	4°50'00		2	11 30 8'43	+3°069	0°00	4	- 0 5 22'10	-19°86
382	β Leonis.....	2°20'00		3	11 42 16'36	+3°065	...	...	+15 19	-20°10
383	β Virginis.....	3°70'28		1	11 43 46'23	+3°128	0°29	2	+ 2 30 51'60	-20°29
384	π Virginis.....	4°40'06		1	11 54 3'45	+3°074	0°06	1	+ 7 21 21'61	-20°06
385	B.A.C. 4067.....	4°90'15		4	11 57 29'47	+3°043	0°15	4	-62 25 29'68	-20°05
386	B.A.C. 4078.....	4°30'41		3	11 59 58'05	+3°071	0°41	3	-63 52 17'04	-20°06
387	B.A.C. 4087.....	2°80'39		1	12 1 28'52	+3°081	0°39	1	-49 58 52'63	-20°06
388	ι Virginis.....	6°10'44		1	12 2 52'36	+3°072	...	...	+ 2 39	-20°24
389	ϵ Corvi.....	3°10'00		3	12 3 17'24	+3°075	-21 53	-20°05
390	B.A.C. 4120.....	3°10'15		3	12 8 5'86	+3°147	0°15	3	-58 0 31'74	-20°04

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					h m s	s				
391	B.A.C. 4133	4·3	0·41	4	12 11 15·15	+ 3·200	0·41	4	-63 15 49·05	-20·03
392	γ Virginis	4·1	0·00	2	12 13 6·17	+ 3·065	0·00	6	+ 0 4 21·33	-20·06
393	B.A.C. 4158	3·5	0·12	1	12 14 11·91	+ 3·211	0·12	1	-59 39 56·46	-20·02
394	B.A.C. 4197	4·1	0·12	1	12 20 51·60	+ 3·212	0·12	1	-49 29 35·09	-19·97
395	B.A.C. 4215	1·6	0·30	2	12 23 48·38	+ 3·280	0·30	2	-56 22 4·23	-19·95
396	β Corvi	2·8	0·00	4	12 27 24·37	+ 3·131	...	...	-22 40	-19·98
397	B.A.C. 4245	2·9	0·15	4	12 29 17·11	+ 3·500	0·15	4	-68 24 7·20	-19·89
398	B.A.C. 4251	4·0	0·42	1	12 30 26·61	+ 3·267	0·42	1	-47 48 30·42	-19·88
399	Lacaille 5235	6·6	0·51	2	12 31 26·74	+ 13·940	0·50	3	-89 4 6·69	-19·88
400	Lacaille 5235 S.P. ....	...	0·50	2	27·38	...	0·48	2	8·43	...
401	B.A.C. 4264	2·4	0·50	1	12 34 11·74	+ 3·293	0·50	1	-48 13 42·33	-19·83
402	γ Virginis (mass).	2·8	0·00	6	12 34 55·32	+ 3·037	0·00	4	- 0 43 9·50	-19·87
403	B.A.C. 4280	3·3	0·15	3	12 38 9·27	+ 3·602	0·15	3	-67 22 44·72	-19·78
404	B.A.C. 4289	1·5	0·32	3	12 39 58·35	+ 3·447	0·32	3	-58 57 37·91	-19·78
405	38 Virginis	6·2	0·40	2	12 46 22·73	+ 3·069	0·40	2	- 2 49 46·39	-19·68
406	B.A.C. 4325	4·3	0·21	4	12 46 47·76	+ 3·480	0·21	4	-56 27 16·91	-19·64
407	ψ Virginis	5·0	0·07	1	12 47 26·16	+ 3·112	...	...	- 8 49	-19·66
408	k Virginis	5·9	0·44	1	12 52 48·49	+ 3·090	0·44	1	- 3 5 38·75	-19·52
409	B.A.C. 4379	4·4	0·15	3	12 59 9·67	+ 3·465	0·15	3	-49 11 33·88	-19·39
410	θ Virginis	4·4	0·00	3	13 3 3·90	+ 3·099	0·00	2	- 4 49 40·77	-19·34
411	B.A.C. 4409	5·1	0·48	3	13 3 47·74	+ 3·409	0·50	4	-42 39 31·07	-19·29
412	Brisbane 4367	8·0	...	...	13 6 11	+ 3·975	0·15	1	-67 10 25·50	-19·23
413	B.A.C. 4426	5·0	0·15	4	13 6 16·27	+ 3·976	0·15	5	-67 11 18·75	-19·23
414	B.A.C. 4458	3·0	0·20	4	13 13 7·66	+ 3·376	0·20	4	-36 0 36·02	-19·05
415	α Virginis	1·2	0·00	4	13 18 11·38	+ 3·150	0·00	7	-10 27 56·70	-18·94
416	B.A.C. 4483	5·7	...	...	13 19 59	+ 8·376	0·31	1	-85 6 4·80	-18·90
417	B.A.C. 4507	4·0	0·37	4	13 23 20·52	+ 3·453	0·37	4	-38 43 8·28	-18·75
418	B.A.C. 4517	6·4	0·50	1	13 25 8·88	+ 3·340	0·50	1	-28 52 46·02	-18·69
419	h Virginis	5·5	0·44	3	13 25 58·07	+ 3·152	0·44	3	- 9 28 41·95	-18·70
420	ζ Virginis	3·5	13 27 55	+ 3·052	0·00	1	+ 0 5 6·54	-18·54

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
					h m s	s			° ' "	"
421	B.A.C. 4548	5°60'41	4	13 31 14'10	+ 3°357	0°41	4	—28° 52' 47"69	—18"49	
422	B.A.C. 4549	2°60'20	3	13 31 28'84	+ 3°754	0°20	3	—52 47 19'09	—18"48	
423	B.A.C. 4580	4°60'32	4	13 38 15'33	+ 3°751	0°32	4	—50 45 49'86	—18"25	
424	B.A.C. 4601	3°50'44	3	13 41 32'28	+ 3°570	0°44	3	—41 1 24'05	—18"12	
425	B.A.C. 4629 ...	4°90'42	1	13 45 33'65	+ 3°432	0°42	1	—31 16 8'56	—17'97	
426	B.A.C. 4638	2°80'52	2	13 47 15'33	+ 3°709	0°54	1	—46 37 54'21	—17'90	
427	B.A.C. 4653	4°00'37	5	13 50 11'97	+ 3°617	0°37	5	—41 26 56'94	—17'79	
428	B.A.C. 4654	4°10'42	1	13 50 28'48	+ 3°673	0°42	1	—44 9 8'56	—17'78	
429	β Centauri.....	0°80'00	4	13 54 27'78	+ 4°158	0°00	3	—59 43 43'63	—17'68	
430	τ Virginis.....	4°4 ...	...	13 54 53	+ 3°047	0°00	1	+ 2 11 23'18	—17'66
431	B.A.C. 4681	4°60'29	3	13 57 56'21	+ 3°634	0°29	3	—40 32 25'74	—17'46	
432	B.A.C. 4685	3°50'46	2	13 58 48'23	+ 3°395	0°46	2	—26 2 23'56	—17'43	
433	B.A.C. 4686	2°20'34	2	13 58 51'90	+ 3°549	0°34	2	—35 42 51'50	—17'42	
434	94 Virginis	6°80'22	2	13 59 15'43	+ 3°168	0°22	2	—8 15 19'71	—17'39	
435	95 Virginis	5°70'37	1	13 59 40'91	+ 3°161	0°37	1	—8 40 38'34	—17'38	
436	η Apodis.....	5°00'44	2	14 1 43'59	+ 7°056	0°44	2	—80 22 49'31	—17'30	
437	κ Virginis	4°30'37	6	14 5 48'29	+ 3°197	0°37	6	—9 39 10'47	—17'10	
438	B.A.C. 4712	5°30'42	1	14 6 28'15	+ 6°840	0°42	1	—79 29 27'43	—17'09	
439	B.A.C. 4719	6°10'46	2	14 7 19'65	+ 3°455	0°46	2	—28 39 29'86	—17'04	
440	α Boötis	0°00'00	4	14 9 35'72	+ 2°734	0°00	1	+19 52 35'18	—18'92	
441	B.A.C. 4734	3°90'47	2	14 10 54'21	+ 3°805	0°47	2	—45 26 31'22	—16'89	
442	λ Virginis	4°60'45	4	14 11 55'09	+ 3°239	0°45	4	—12 45 25'41	—16'80	
443	B.A.C. 4745	4°20'29	4	14 12 28'70	+ 3°628	0°33	3	—37 16 17'80	—16'80	
444	B.A.C. 4759	4°60'41	4	14 14 51'14	+ 3°669	0°41	4	—38 54 7'31	—16'69	
445	B.A.C. 4768	4°60'44	3	14 17 36'92	+ 3°817	0°44	3	—44 37 2'11	—16'55	
446	B.A.C. 4770	4°40'33	4	14 17 38'37	+ 3°821	0°33	4	—44 46 31'07	—16'55	
447	B.A.C. 4784	5°00'40	2	14 20 23'40	+ 3°494	0°40	2	—28 53 29'92	—16'42	
448	B.A.C. 4801	4°60'29	4	14 23 40'57	+ 4°001	0°29	4	—49 51 54'27	—16'25	
449	Lacaille 5985	7°00'47	3	14 25 28'62	+ 3°581	0°47	3	—32 43 38'51	—16'16	
450	z Octantis	6°50'58	4	14 26 14'39	+21°750	0°56	8	—87 35 47'58	—16'20	

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451	α Octantis S.P.	6°50'58	4	14	26 14°70	+21°750	0°58	4	-87°35'49"59	-16"20
452	B.A.C. 4811	2°50'29	1	14	27 4°22	+3°780	0°29	1	-41 34 17°41	-16°07
453	B.A.C. 4821	4°00'30	3	14	28 57°39	+3°997	0°30	4	-48 50 38°15	-15°97
454	α^1 Centauri	2°8	...	14	30 34	+4°032	0°34	2	-60 16 57°74	-15°04
455	α^2 Centauri	0°30'40	5	14	30 34°83	+4°032	0°39	7	-60 17 7°99	-15°04
456	B.A.C. 4833	3°80'54	3	14	31 29°15	+7°088	0°54	3	-78 28 32°72	-15°84
457	B.A.C. 4839	2°50'31	1	14	33 6°11	+3°953	0°31	1	-46 48 51°92	-15°75
458	B.A.C. 4842	4°20'29	1	14	33 42°36	+3°702	0°30	2	-37 13 12°38	-15°72
459	B.A.C. 4852	3°80'52	3	14	35 31°85	+3°650	0°52	3	-34 35 55°60	-15°62
460	γ Libræ	6°60'22	1	14	38 38°12	+3°299	0°22	1	-14 53 47°41	-15°47
461	B.A.C. 4892	4°40'31	1	14	42 58°43	+3°885	0°31	1	-43 1 20°41	-15°20
462	α^2 Libræ	3°00'00	5	14	43 31°53	+3°305	0°00	4	-15 29 12°43	-15°23
463	B.A.C. 4916	5°30'50	2	14	47 35°30	+3°658	0°50	2	-33 18 46°82	-14°94
464	B.A.C. 4924	2°70'31	2	14	49 50°23	+3°900	0°33	4	-42 35 44°36	-14°80
465	B.A.C. 4928	3°40'47	4	14	50 31°22	+3°874	0°47	4	-41 34 3°68	-14°76
466	Lacaille 6198	5°50'56	3	14	54 51°35	+3°651	0°56	3	-32 6 58°50	-14°50
467	B.A.C. 4948	3°80'31	1	14	56 4°82	+4°049	0°33	3	-46 31 40°38	-14°43
468	Lacaille 6229	7°40'54	2	14	59 3°38	+3°667	0°54	2	-32 23 34°72	-14°25
469	γ^1 Libræ	5°40'48	4	14	59 12°78	+3°332	0°48	4	-15 44 18°76	-14°27
470	B.A.C. 4973	4°30'44	3	14	59 53°91	+4°008	0°44	3	-44 45 54°75	-14°20
471	B.A.C. 4986	4°2	...	15	2 42	+4°142	0°61	1	-48 13 43°53	-14°02
472	B.A.C. 4988	5°9	...	15	2 44	+4°142	0°61	1	-48 14 6°31	-14°02
473	B.A.C. 4987	3°50'31	1	15	2 45°09	+4°276	0°31	1	-51 35 24°68	-14°02
474	γ^1 Libræ	4°90'15	1	15	4 38°63	+3°409	0°15	1	-19 17 9°05	-13°92
475	B.A.C. 5005	3°00'53	2	15	6 31°93	+5°480	0°47	3	-68 11 3°07	-13°81
476	β Libræ	2°70'00	5	15	9 51°22	+3°218	0°00	3	-8 53 23°41	-13°58
477	B.A.C. 5046	3°40'50	1	15	12 39°08	+3°912	0°50	1	-40 9 47°99	-13°39
478	ρ Octantis	5°70'61	2	15	13 5°63	+12°634	0°61	6	-84 0 44°17	-13°35
479	ρ Octantis S.P. ...	0°61	1		5°62	...	0°62	2	44°49	...
480	B.A.C. 5060	4°70'48	4	15	14 40°06	+3°811	0°48	4	-36 22 43°07	-13°25

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
481	♄ Libræ	6.20°52	1	15	20 45.59	+3.376	0.52	2	—16° 15' 1" 17	—12.88
482	B.A.C. 5118	3.00°44	4	15	26 17.28	+3.973	0.44	4	—40 42 58.61	—12.47
483	γ Libræ	4.00°49	2	15	28 5.48	+3.346	0.49	2	—14 20 36.31	—12.33
484	α Coronæ Borealis	2.40°00	5	15	29 3.45	+2.538	...	...	+27 10	—12.35
485	B.A.C. 5139	4.00°49	3	15	29 6.12	+4.027	0.43	5	—42 7 38.95	—12.28
486	B.A.C. 5151	3.90°59	1	15	30 29.62	+3.668	0.60	2	—29 20 14.68	—12.18
487	B.A.C. 5165	4.50°47	4	15	32 3.54	+4.110	0.47	4	—44 13 3.10	—12.08
488	α Serpentis	2.70°00	7	15	37 43.13	+2.949	...	...	+6 51	—11.62
489	B.A.C. 5224	5.30°54	4	15	42 23.39	+5.828	0.54	4	—68 12 6.30	—11.35
490	B.A.C. 5227	4.20°50	3	15	42 30.84	+3.794	0.50	3	—33 13 9.00	—11.33
491	B.A.C. 5232	4.80°48	2	15	42 59.11	+3.595	0.48	2	—25 20 39.72	—11.30
492	β Trianguli Australis	3.1 ...	...	15	43 27	+5.216	0.48	2	—63 0 56.71	—11.70
493	θ Libræ	4.30°60	1	15	46 15.32	+3.414	0.60	1	—16 20 10.53	—10.93
494	B.A.C. 5272	4.00°58	1	15	48 40.72	+3.690	0.58	1	—28 49 23.62	—10.88
495	48 Libræ	4.80°15	1	15	50 44.59	+3.350	0.15	1	—13 53 35.61	—10.73
496	B.A.C. 5289	3.10°45	5	15	50 48.63	+3.616	0.45	5	—25 43 41.18	—10.73
497	B.A.C. 5292	3.80°60	2	15	51 19.08	+3.955	0.60	2	—38 0 47.80	—10.69
498	B.A.C. 5323	4.80°59	1	15	57 6.16	+4.212	0.60	2	—44 48 31.51	—10.26
499	β ¹ Scorpil	2.90°00	11	15	57 42.41	+3.477	0.00	2	—19 26 19.76	—10.23
500	β ² Scorpil	7.9 ...	...	15	57 43	+3.477	0.52	1	—19 26 6.48	—10.23
501	B.A.C. 5331	4.40°43	1	15	57 52.00	+3.922	0.43	1	—36 26 13.48	—10.20
502	B.A.C. 5347	5.80°54	4	16	0 1.48	+3.636	0.54	4	—25 58 2.69	—10.04
503	B.A.C. 5374	5.10°58	5	16	2 46.57	+3.720	0.58	5	—29 3 43.25	—9.83
504	ν Scorpil	4.2 ...	...	16	4 16	+3.480	0.52	1	—19 6 44.78	—9.68
505	δ Ophiuchi	2.80°00	10	16	7 22.71	+3.136	...	...	—3 21	—9.59
506	B.A.C. 5435	5.50°44	5	16	11 8.23	+3.774	0.44	5	—30 34 49.76	—9.18
507	B.A.C. 5439	3.90°51	4	16	13 9.06	+8.983	0.51	4	—78 35 27.32	—9.04
508	B.A.C. 5454	5.30°55	4	16	15 37.38	+5.506	0.55	4	—63 45 2.72	—8.84
509	α Scorpil	1.10°00	12	16	21 15.37	+3.666	0.00	1	—26 7 59.74	—8.41
510	B.A.C. 5508	4.50°63	2	16	22 41.84	+3.906	0.63	2	—34 24 38.88	—8.27

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
511	B.A.C. 5510	4.20	49	4	^h 16 ^m 24 ^s 9.61	+ 8.377	0.52	3	—77° 13' 54".52	— 8".53
512	B.A.C. 5538	4.10	64	1	16 27 37.68	+ 3.932	0.64	1	—34 58 40.36	— 7.88
513	B.A.C. 5536	6.00	51	4	16 27 41.50	+ 6.119	0.51	5	—68 1 32.92	— 7.88
514	α Trianguli Australis	1.90	00	13	16 34 36.41	+ 6.277	0.00	12	—68 46 40.49	— 7.39
515	α Triang. Aust. S.P.	...	...	...	...	...	0.00	13	42.21	...
516	B.A.C. 5588	6.80	58	1	16 35 5.84	+ 3.844	0.58	1	—31 51 0.16	— 7.27
517	B.A.C. 5609	3.60	27	1	16 38 18.73	+ 5.139	0.27	1	—58 47 55.74	— 7.01
518	B.A.C. 5632	2.30	45	4	16 41 33.11	+ 3.922	0.46	5	—34 2 53.37	— 6.74
519	B.A.C. 5638	3.30	53	9	16 42 51.91	+ 4.050	0.54	8	—37 48 55.63	— 6.64
520	B.A.C. 5640	3.70	59	2	16 43 20.04	+ 4.051	0.59	2	—37 47 14.72	— 6.60
521	B.A.C. 5651	5.00	60	4	16 44 37.10	+ 4.216	0.62	6	—42 8 12.67	— 6.49
522	B.A.C. 5661	3.5	...	...	16 45 14	+ 4.217	0.61	1	—42 7 47.82	— 6.44
523	B.A.C. 5697	4.20	46	4	16 48 59.51	+ 4.758	0.46	4	—52 57 5.53	— 6.13
524	κ Ophiuchi	3.40	00	7	16 51 22.52	+ 2.834	...	...	+ 9 35	— 5.90
525	B.A.C. 5713	5.40	64	1	16 52 31.65	+ 4.770	0.64	1	—53 1 58.16	— 5.83
526	B.A.C. 5735	5.00	49	5	16 56 4.54	+ 3.936	0.49	5	—33 55 55.65	— 5.53
527	B.A.C. 5778	3.40	58	3	17 2 37.88	+ 4.282	0.58	3	—43 3 34.48	— 4.98
528	η Ophiuchi ...	2.60	68	2	17 2 45.12	+ 3.436	0.68	1	—15 33 25.38	— 4.86
529	B.A.C. 5794	6.00	69	1	17 6 39.24	+ 11.034	0.69	2	—80 43 31.42	— 4.76
530	B.A.C. 5794 S.P.	...	0.69	1	39.61	...	0.69	3	34.02	...
531	B.A.C. 5810	4.70	48	6	17 8 6.30	+ 6.236	0.48	6	—67 37 33.66	— 4.52
532	α Herculis	Var.	0.00	1	17 8 34.98	+ 2.732	...	...	+ 14 33	— 4.42
533	ξ Ophiuchi	4.50	68	2	17 13 2.08	+ 3.590	0.68	2	—20 58 0.22	— 4.29
534	θ Ophiuchi	3.40	00	2	17 13 50.55	+ 3.676	0.00	1	—24 51 47.89	— 4.01
535	B.A.C. 5850	3.40	68	4	17 14 12.20	+ 5.033	0.67	5	—56 14 50.81	— 4.00
536	B.A.C. 5852	2.70	58	5	17 14 15.00	+ 4.971	0.58	5	—55 23 57.50	— 3.99
537	B.A.C. 5859	5.30	64	1	17 15 37.96	+ 4.662	0.64	1	—50 30 26.89	— 3.87
538	B.A.C. 5877	3.80	49	4	17 19 5.98	+ 5.403	0.49	4	—60 34 4.18	— 3.58
539	B.A.C. 5899	2.90	57	6	17 21 33.89	+ 4.629	0.57	6	—49 45 59.10	— 3.36
540	B.A.C. 5935	2.00	52	4	17 27 45.92	+ 4.302	0.52	4	—42 54 31.84	— 2.82

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N.	Star.	Magnitude	Fraction of Year.	No. of Obs.	Mean R.A. 1865.	Annual Variation 1865.	Fraction of Year.	No. of Obs.	Mean Dec. 1865.	Annual Variation 1865.
541	α Ophiuchi.....	2.20.00	3	17 28 45.81	+2.81	...	...	+12.40	"	-2.94
542	ξ Serpentina.....	3.70.61	1	17 29 58.40	+3.431	0.61	1-15	18 42.02		-2.68
543	B.A.C. 5954.....	6.00.31	1	17 30 45.66	+3.604	0.31	1-21	49 51.29		-2.56
544	B.A.C. 5965.....	7 0.58	5	17 31 21.15	+3.904	0.58	5-32	7 20.34		-2.51
545	B.A.C. 5964.....	6.80.67	1	17 32 18.42	+3.905	0.67	1-32	8 19.75		-2.43
546	B.A.C. 5963.....	3.50.69	3	17 32 40.98	+5.875	0.66	4-64	39 15.61		-2.40
547	B.A.C. 5970.....	2.60.58	3	17 33 17.30	+4.146	0.62	4-38	57 26.04		-2.34
548	δ Ophiuchi.....	5.00.31	1	17 35 27.83	+3.592	0.31	1-21	36 56.69		-2.20
549	B.A.C. 6004.....	3.10.63	5	17 38 17.02	+4.191	0.63	5-40	4 16.81		-1.91
550	B.A.C. 6008.....	4.90.53	4	17 39 11.38	+3.773	0.53	4-27	46 35.29		-1.83
551	B.A.C. 6016.....	5.00.59	5	17 40 32.16	+3.894	0.59	5-31	39 12.31		-1.71
552	B.A.C. 6018.....	3.20.68	3	17 40 48.31	+4.075	0.68	4-36	59 48.25		-1.69
553	B.A.C. 6065.....	5.90.46	1	17 48 39.98	+3.450	0.46	1-15	47 7.16		-1.00
554	γ Sagittarii.....	4.60.68	1	17 51 40.42	+3.661	0.68	1-23	48 1.15		-0.75
555	B.A.C. 6100.....	4.40.49	4	17 55 46.44	+5.774	0.49	4-63	40 6.50		-0.39
556	B.A.C. 6105.....	3.80.61	5	17 56 16.75	+4.671	0.61	5-50	5 44.44		-0.34
557	B.A.C. 6107.....	4.90.52	4	17 56 31.48	+3.831	0.52	4-29	34 56.01		-0.32
558	B.A.C. 6115.....	3.10.67	4	17 57 15.84	+3.857	0.67	4-30	25 18.85		-0.25
559	B.A.C. 6140.....	4.50.71	2	18 1 21.47	+4.455	0.69	3-45	58 23.54		+0.11
560	B.A.C. 6148.....	5.60.59	5	18 3 2.84	+5.704	0.59	5-63	5 3.51		+0.25
561	μ Sagittarii.....	4.10.00	8	18 5 48.56	+3.584	0.00	5-21	5 24.87		+0.49
562	B.A.C. 6186.....	3.00.61	4	18 8 37.59	+4.072	0.61	4-36	47 51.52		+0.74
563	B.A.C. 6233.....	1.90.61	2	18 15 20.60	+3.987	0.61	2-34	26 37.10		+1.33
564	B.A.C. 6240.....	3.70.64	5	18 17 6.58	+4.455	0.64	6-46	2 14.35		+1.48
565	α Sagittarii.....	4.90.31	1	18 17 25.84	+3.574	0.31	1-20	36 36.63		+1.50
566	B.A.C. 6250.....	4.00.69	1	18 18 35.08	+4.611	0.69	1-49	8 16.89		+1.61
567	B.A.C. 6253.....	4.90.56	4	18 18 56.89	+5.615	0.53	5-62	21 27.49		+1.64
568	B.A.C. 6275.....	7.90.63	2	18 21 17.66	+3.941	0.63	2-33	7 48.75		+1.85
569	B.A.C. 6279.....	4.70.61	2	18 21 37.05	+3.419	0.61	2-14	38 50.99		+1.86
570	B.A.C. 6278.....	5.10.64	1	18 21 54.17	+4.450	0.65	2-46	0 0.76		+1.90

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
					^h ^m ^s	[°]			[°] ['] ["]	["]
571	B.A.C. 6282	5°30'51	2	18	22 11'78	+4'441	0'56	3	—45 56 38'92	+ 1'93
572	B.A.C. 6285	5°50'64	3	18	22 21'31	+3'938	0'66	4	—33 4 24'47	+ 1'94
573	B.A.C. 6296	4°40'64	2	18	24 0'20	+4'285	0'64	2	—42 24 14'00	+ 2'08
574	B.A.C. 6305	5°40'69	1	18	25 14'21	+3'938	0'69	1	—33 6 42'02	+ 2'19
575	B.A.C. 6315	4°00'53	5	18	27 28'94	+7'049	0'53	5	—71 32 8'57	+ 2'38
576	B.A.C. 6360	5°90'68	2	18	35 32'54	+5'932	0'68	2	—65 12 34'52	+ 3'08
577	B.A.C. 6371	3°30'64	1	18	37 20'69	+3'747	0'64	1	—27 7 25'55	+ 3'24
578	28 Sagittarii	5°60'38	3	18	38 19'38	+3'619	0'42	2	—22 31 40'22	+ 3'33
579	B.A.C. 6405	Var. 0'68	1	18	43 13'20	+6'227	0'68	1	—67 23 38'53	+ 3'74
580	B.A.C. 6414	6°60'44	2	18	44 9'30	+3'857	0'51	3	—30 53 18'01	+ 3'83
581	ν ¹ Sagittarii	5°00'53	1	18	46 8'40	+3'626	0'53	1	—22 54 21'27	+ 4'00
582	B.A.C. 6440	2°30'68	2	18	47 0'96	+3'723	0'68	2	—26 27 30'83	+ 4'07
583	ξ ² Sagittarii	3°50'68	1	18	49 47'71	+3'582	0'68	1	—21 16 41'51	+ 4'32
584	B.A.C. 6489	2°90'64	1	18	54 8'84	+3'825	0'64	1	—30 3 58'90	+ 4'68
585	ο Sagittarii	3°90'51	3	18	56 42'77	+3'599	0'51	3	—21 55 59'14	+ 4'88
586	B.A.C. 6523	4°40'70	3	18	59 5'18	+4'184	0'70	3	—40 41 55'39	+ 5'10
587	B.A.C. 6525	6°50'59	4	18	59 8'25	+3'783	0'59	4	—28 50 17'68	+ 5'11
588	ζ Aquilæ	3°10'00	5	18	59 17'85	+2'752	...	...	+13 40	+ 5'05
589	B.A.C. 6541	4°0 ...	...	19	0 53	+4'137	0'66	1	—39 32 52'35	+ 5'25
590	π Sagittarii	3°10'52	4	19	1 51'16	+3'574	0'57	5	—21 13 53'96	+ 5'35
591	ω Aquilæ	5°10'00	4	19	11 34'42	+2'814	0'00	1	+11 21 30'32	+ 6'17
592	B.A.C. 6610	4°40'64	3	19	13 36'13	+4'343	0'65	4	—45 2 45'43	+ 6'32
593	ρ ¹ Sagittarii	3°90'52	4	19	13 57'48	+3'488	0'63	4	—18 5 40'53	+ 6'41
594	B.A.C. 6622	4°10'62	3	19	14 40'05	+4'168	0'64	4	—40 51 44'82	+ 6'41
595	50 Sagittarii	5°50'53	1	19	18 23'08	+3'583	0'53	1	—22 2 12'82	+ 6'72
596	8 Aquilæ	3°50'00	7	19	18 47'56	+3'024	0'00	1	+ 2 51 9'83	+ 6'85
597	C.G.A. 26714	7°80'68	2	19	22 43'92	+3'787	0'68	2	—29 46 1'42	+ 7'07
598	h ² Sagittarii	4°60'00	8	19	28 36'64	+3'656	0'00	1	—25 10 22'94	+ 7'57
599	e ² Sagittarii	5°00'39	2	19	34 54'57	+3'439	0'31	1	—16 25 58'14	+ 8'10
600	B.A.C. 6753	6°80'68	2	19	36 58'66	+3'810	0'68	2	—31 13 7'17	+ 8'22

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°o.	Annual Variation 1865°o.
601	γ Aquilæ.....	2·8	0·00	4	h m s 19 39 56·22	+ 2·852	...	...	+10° 17' "	+ 8"·47
602	α Aquilæ	1·0	0·00	6	19 44 17·60	+ 2·927	...	...	+ 8 31	+ 9·19
603	57 Sagittarii ...	6·2	0·46	1	19 44 28·15	+ 3·491	0·46	1	19 22 47·46	+ 8·68
604	ϵ Pavonis	4·0	0·63	11	19 45 9·21	+ 7·108	0·57	8	73 15 19·88	+ 8·64
605	ϵ Pavonis S.P.....	...	0·28	6	9·42	...	0·27	8	21·64	...
606	β Aquilæ.....	4·0	0·00	1	19 48 46·84	+ 2·947	...	...	+ 6 5	+ 8·68
607	63 Sagittarii	5·9	0·61	1	19 54 31·48	+ 3·365	0·61	2	14 0 10·41	+ 9·60
608	B.A.C. 6877.....	5·1	0·69	2	19 55 53·15	+ 3·816	0·69	2	32 25 33·47	+ 9·70
609	64 Sagittarii.....	6·6	0·39	1	19 57 44·59	+ 3·320	0·39	1	11 58 22·46	+ 9·85
610	B.A.C. 6948.....	6·5	0·56	4	20 7 34·58	+ 3·739	0·58	5	30 24 27·76	+10·59
611	α^1 Capricorni	4·5	...	...	20 10 16	+ 3·330	0·00	1	12 54 59·10	+10·82
612	α^2 Capricorni	3·8	0·00	2	20 10 40·42	+ 3·333	0·00	3	12 57 16·10	+10·82
613	β Capricorni	3·4	0·46	1	20 13 32·25	+ 3·377	0·46	1	15 11 56·13	+11·05
614	α Pavonis	2·1	0·00	1	20 15 6·61	+ 4·794	0·00	1	57 9 28·69	+11·06
615	B.A.C. 7011	7·0	0·61	5	20 16 32·20	+ 3·698	0·61	5	29 30 8·30	+11·24
616	B.A.C. 7026	7	0·69	4	20 18 22·92	+ 3·695	0·69	4	29 30 12·20	+11·38
617	ρ Capricorni.....	5·0	0·00	2	20 21 16·23	+ 3·426	0·00	2	18 15 1·86	+11·58
618	B.A.C. 7057	6·5	0·69	2	20 22 47·81	+ 3·689	0·68	3	29 33 18·34	+11·69
619	C.G.A. 28156	7·1	0·72	4	20 25 40·29	+ 3·687	0·72	4	29 44 32·97	+11·90
620	τ^2 Capricorni.....	5·3	0·72	3	20 31 50·05	+ 3·363	0·69	4	15 25 6·86	+12·30
621	Lalande 39819 ...	8·3	0·77	1	20 32 6·48	+ 3·363	0·77	1	15 26 24·88	+12·35
622	B.A.C. 7129	3·5	0·59	5	20 32 56·01	+ 5·511	0·59	5	66 40 35·73	+12·40
623	B.A.C. 7207	5·0	0·68	1	20 41 39·13	+ 3·766	0·68	1	34 16 7·75	+12·99
624	B.A.C. 7208	5·1	0·67	4	20 41 52·14	+ 4·380	0·67	4	52 6 0·40	+13·01
625	B.A.C. 7250	5·3	0·66	3	20 48 28·83	+ 7·562	0·67	4	77 31 33·65	+13·43
626	κ Octantis	6·6	...	...	20 50 23	+109·450	0·35	3	89 27 17·72	+13·33
627	κ Octantis S.P....	...	...	...	.....	...	0·34	6	21·38	...
628	θ Capricorni.....	4·3	0·72	3	20 58 28·11	+ 3·385	0·69	4	17 45 32·67	+14·05
629	ν Aquarii	4·6	0·76	1	21 2 20·90	+ 3·274	0·77	2	11 54 28·04	+14·33
630	Lucaille 8787.....	6·7	0·72	1	21 13 54·98	+ 3·578	0·72	1	29 43 39·38	+15·01

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1867°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°.	Annual Variation 1865°.
631	ι Capricorni	4·40	0·77	2	21 14 50·30	+ 3·349	0·77	2	—17 23 55·76	+15·08
632	B.A.C. 7423	6·20	0·67	3	21 16 45·09	+ 4·332	0·64	4	—55 13 55·82	+15·17
633	B.A.C. 7471	5·40	0·71	4	21 23 40·20	+ 2·827	0·71	4	—41 45 45·48	+15·56
634	β Aquarii	3·10	0·00	6	21 24 33·36	+ 3·163	...	...	— 6 9	+15·62
635	Lacaille 8849	6·40	0·74	3	21 27 1·94	+ 3·556	0·74	3	—30 17 5·17	+15·74
636	λ Octantis	5·40	0·38	3	21 30 10·32	+10·053	0·57	12	—83 19 31·40	+15·70
637	λ Octantis S.P. ....	...	0·39	2	10·54	...	0·39	2	34·17	...
638	γ Capricorni	3·80	0·77	2	21 32 43·15	+ 3·333	0·77	2	—17 15 40·10	+16·04
639	ε Pegasi	2·40	0·00	2	21 37 39·23	+ 2·948	0·00	1	+ 9 16 1·00	+16·31
640	λ Capricorni	5·40	0·77	2	21 39 22·48	+ 3·238	0·77	2	—11 58 38·78	+16·41
641	δ Capricorni	3·00	0·62	2	21 39 41·75	+ 3·320	0·62	2	—16 43 44·46	+16·11
642	μ Capricorni	5·20	0·70	4	21 46 2·65	+ 3·259	0·70	4	—14 10 34·48	+16·72
643	B.A.C. 7634	6·40	0·68	4	21 49 4·32	+ 4·309	0·68	4	—59 38 38·21	+16·86
644	B.A.C. 7684	4·50	0·68	6	21 58 5·41	+ 3·644	0·68	6	—40 10 59·31	+17·28
645	α Aquarii	3·20	0·00	5	21 58 57·12	+ 3·083	0·00	1	— 0 57 50·93	+17·31
646	ι Aquarii	4·30	0·92	2	21 59 15·10	+ 3·246	0·92	2	—14 30 48·44	+17·28
647	ο Octantis	5·70	0·40	3	22 5 12·70	+14·045	0·40	3	—86 38 20·54	+17·66
648	ο Octantis S.P. ...	...	0·41	4	12·77	...	0·41	6	22·20	...
649	θ Aquarii	4·30	0·00	9	22 9 48·83	+ 3·170	0·00	5	— 8 26 39·13	+17·75
650	σ Aquarii	4·80	0·71	5	22 23 36·43	+ 3·182	0·72	3	—11 21 27·72	+18·39
651	η Aquarii	4·20	0·00	4	22 28 31·29	+ 3·082	...	...	— 0 48	+18·42
652	κ Aquarii	5·50	0·62	1	22 30 52·11	+ 3·113	0·62	1	— 4 54 45·60	+18·47
653	β Octantis	4·40	0·40	1	22 32 16·19	+ 6·640	0·63	4	—82 4 35·75	+18·60
654	β Octantis S.P. ....	...	0·40	1	15·21	...	0·40	1	37·01	...
655	ζ Pegasi	3·60	0·00	1	22 34 49·77	+ 2·987	...	...	+10 8	+18·69
656	67 Aquarii	6·20	0·55	1	22 36 17·47	+ 3·134	0·55	1	— 7 39 28·97	+18·75
657	B.A.C. 7965	6·30	0·83	2	22 45 21·45	+ 4·303	0·83	2	—70 46 56·85	+19·00
658	λ Aquarii	3·80	0·70	3	22 45 40·61	+ 3·133	0·70	3	— 8 17 10·50	+19·01
659	α Piscis Australis	1·30	0·00	4	22 50 17·77	+ 3·330	0·00	5	—30 19 33·07	+18·96
660	B.A.C. 8002	5·60	0·40	1	22 52 18·99	+ 3·299	0·40	1	—30 10 26·70	+19·18

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1867°0.	Annual Variation 1865°0.	Fraction of Year.	No. of Obs.	Mean Dec. 1867°0.	Annual Variation 1865°0.
661	B.A.C. 8006	7°00'84	2	22	52 51'44	+ 3'719	0'84	2	—59 8' 58''84	+19''20
662	α Pegasi.....	2°60'00	3	22	58 8'32	+ 2'983	...	...	+14 29	+19'31
663	B.A.C. 8040	6°10'83	3	22	59 16'51	+ 4'323	0'83	2	—74 18 14'40	+19'35
664	τ Octantis	5°60'44	3	23	6 35'16	+13'130	0'46	2	—88 12 40'48	+19'52
665	τ Octantis S.P....	... 0'44	4		36'03	...	0'45	6	40'32	...
666	φ Aquarii	4°20'62	4	23	7 26'11	+ 3'113	0'62	4	— 6 45 54'41	+19'37
667	B.A.C. 8090	6°2 ...	...	23	9 1	+ 4'786	0'84	2	—80 11 55'32	+19'56
668	ψ ² Aquarii	4°50'59	2	23	10 59'44	+ 3'122	0'59	2	— 9 54 27'85	+19'58
669	γ Sculptoris	4°30'76	2	23	11 38'14	+ 3'253	0'70	3	—33 15 20'48	+19'54
670	B.A.C. 8143	6°90'84	2	23	15 47'56	+ 3'458	0'84	2	—56 16 54'23	+19'68
671	κ Piscium.....	5°00'00	1	23	20 6'86	+ 3'075	0'00	4	+ 0 31 41'33	+19'63
672	B.A.C. 8190	5°80'84	2	23	24 39'63	+ 4'053	0'84	2	—78 7 8'85	+19'82
673	ι Piscium	4°30'00	2	23	33 6'68	+ 3'084	...	...	+ 4 54	+19'47
674	λ Piscium.....	4°70'66	2	23	35 15'62	+ 3'059	0'62	3	+ 1 2 45'16	+19'80
675	B.A.C. 8251	6°00'84	2	23	36 46'79	+ 3'472	0'84	2	—71 13 48'45	+19'95
676	δ Sculptoris	4°60'00	1	23	41 59'51	+ 3'133	...	...	—28 52	+19'92
677	21 Piscium	6°10'48	2	23	42 39'10	+ 3'070	0'48	2	+ 0 20 17'33	+19'97
678	B.A.C. 8290	5°10'59	1	23	44 11'80	+ 3'765	0'63	3	—82 45 27'91	+19'99
679	B.A.C. 8319	5°60'59	1	23	50 9'27	+ 3'521	0'70	6	—82 54 33'24	+20'03
680	27 Piscium	5°00'48	1	23	51 51'90	+ 3'068	0'48	1	— 4 17 36'73	+19'92
681	ω Piscium	4°20'00	1	23	52 28'93	+ 3'077	...	...	+ 6 8	+19'92

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS
OF
MERIDIAN OBSERVATIONS OF STARS
MADE IN THE YEAR
1868
REDUCED TO MEAN PLACE FOR 1868'0.

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 8377.				o Octantis.			
Oct. 21	JS	$\begin{smallmatrix} h & m & s \\ 0 & 0 & 40 \end{smallmatrix} 93$	$147^{\circ} 34' 15'' 42$	June 28	G	$\begin{smallmatrix} h & m & s \\ 0 & 13 & 9 \end{smallmatrix} 31$	$179^{\circ} 5' 47'' 13$
a Andromedæ.				July 6	B	9'28	48'81
Oct. 30	CF	$0 \ 1 \ 34 \cdot 04$	61 38 19'19			$0 \ 13 \ 9 \cdot 30$	179 5 47'97
B. A. C. 9.				o Octantis S.P.			
Oct. 14	IF	$0 \ 2 \ 22 \cdot 35$	144 44 13'29	July 6	B	$0 \ 13 \ 9 \cdot 15$	...
Nov. 18	IF	22'23	12'07	B. A. C. 76.			
19	JS	22'22	13'35	Oct. 14	IF	$0 \ 16 \ 14 \cdot 84$	151 46 3'48
		$0 \ 2 \ 22 \cdot 27$	144 44 12'90	Nov. 19	JS	14'60	2'11
γ Pegasi.						$0 \ 16 \ 14 \cdot 72$	151 46 2'80
July 9	G	$0 \ 6 \ 26 \cdot 34$	...	44 Piscium.			
Oct. 2	CF	...	75 32(57'15)	Oct. 1	IF	$0 \ 18 \ 38 \cdot 15$	88 47 28'34
16	CF	26'49	59'08	β Hydri.			
19	CF	...	61'16	Jan 6	B	$0 \ 18 \ 45 \cdot 53$	...
30	CF	26'57	62'05	7	JS	45'85	...
		$0 \ 6 \ 26 \cdot 47$	75 33 0'76	8	G	46'23	...
B. A. C. 30.				9	IF	46'28	...
Oct. 21	JS	$0 \ 7 \ 18 \cdot 37$	147 44 7'37	21	G	45'82	...
Nov. 13	IF	18'45	8'02	22	G	46'30	...
19	JS	18'33	6'46	27	G	...	167 59 51'41
		$0 \ 7 \ 18 \cdot 38$	147 44 7'28	Feb. 3	G	45'66	...
B. A. C. 31.				14	CF	46'03	...
Nov. 25	IF	$0 \ 7 \ 41 \cdot 38$	145 48 8'97	Mar. 9	G	46'34	...
				Apr. 1	G	45'94	...
				2	G	45'83	...
				5	G	46'16	51'33
				7	G	45'91	...

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>β Hydri—continued.</i>				<i>β Hydræ S.P.—continued.</i>			
Apr. 13	JS	^{h m s} ... 167° 59' 51" 75		Jan. 30	B	^{h m s} 0 18 46' 14	° ' "
23	G	0 18 45' 83	51' 45	31	CF	46' 42	...
26	G	45' 92	...	Feb. 6	B	45' 59	...
28	G	46' 09	...	9	JS	46' 51	...
June 9	IF	47' 12	52' 38	17	B	46' 63	167 59 53' 76
28	G	46' 00	...	20	B	46' 47	...
29	B	45' 59	...	21	IF	45' 92	...
July 1	CF	47' 04	...	26	B	46' 10	...
7	G	46' 19	...	Mar. 8	G	46' 05	...
9	G	46' 20	...	9	B	45' 95	...
10	CF	45' 98	...	11	IF	46' 07	...
13	JS	46' 68	...	Apr. 2	B	45' 78	...
Sept. 30	JS	46' 49	50' 55	6	IF	46' 09	53' 24
Oct. 2	CF	46' 27	52' 28	8	JS	46' 42	54' 40
15	G	46' 08	51' 72	17	IF	46' 66	54' 43
16	CF	45' 76	51' 84	23	B	46' 06	51' 50
19	CF	45' 72	53' 72	27	G	45' 64	...
22	IF	46' 09	51' 06	28	B	46' 15	54' 46
30	CF	46' 24	52' 74	29	IF	45' 37	51' 88
Nov. 6	IF	46' 26	50' 49	30	CF	46' 17	...
13	IF	46' 24	51' 49	May 1	JS	46' 09	54' 95
25	IF	46' 60	51' 16	4	JS	46' 27	54' 57
26	G	46' 20	51' 40	5	IF	46' 20	53' 18
27	IF	...	51' 57	7	CF	46' 15	52' 40
Dec. 9	IF	45' 95	51' 09	13	IF	46' 39	52' 55
16	IF	46' 17	(59' 72)	14	JS	46' 39	54' 33
		0 18 46' 12	167 59 51' 64	15	B	45' 79	...
<i>β Hydræ S.P.</i>				June 9	IF	46' 15	53' 81
Jan. 7	JS	0 18 46' 29	...	29	B	46' 33	...
8	G	46' 13	...	30	G	46' 11	...
21	G	46' 08	...	July 7	G	45' 91	...
23	B	46' 35	...	10	CF	46' 32	...
24	CF	46' 42	...	13	JS	46' 42	54' 78
				14	IF	46' 65	52' 95

234 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>β Hydre S.P. —continued.</i>				<i>β Ceti.</i>			
Oct. 2	JS	^{h m s} 0 18 45·97	° ... "	July 7	G	^{h m s} 0 36 57·78	° ... "
14	G	45·68	...	13	JS	57·86	108 42 41·05
15	G	45·96	...	Oct. 30	CF	57·80	38·88
Nov. 26	G	45·80	...	Nov. 24	CF	57·64	40·37
Dec. 16	IF	46·28	167 59 52·81	25	IF	57·83	...
		0 18 46·14	167 59 53·53			0 36 57·78	108 42 40·10
<i>12 Ceti.</i>				<i>B. A. C. 199.</i>			
July 9	G	0 23 18·20	...	Nov. 18	IF	0 37 24·81	148 11 13·60
Sept. 30	JS	...	94 41 11·91	<i>B. A. C. 231.</i>			
Oct. 30	CF	...	10·57	Dec. 1	JS	0 42 48·88	137 25 7·16
Nov. 24	CF	18·18	11·85	<i>B. A. C. 233.</i>			
25	IF	18·13	12·04	Oct. 30	CF	0 43 31·00	101 21 20·80
		0 23 18·17	94 41 11·59	<i>B. A. C. 241.</i>			
<i>13 Ceti.</i>				Dec. 9	IF	0 45 57·86	161 52 16·11
July 10	CF	0 28 27·24	94 19 9·65	<i>B. A. C. 251.</i>			
Oct. 1	IF	27·16	10·97	Nov. 18	IF	0 48 7·91	153 35 18·05
Nov. 24	CF	27·20	10·21	19	JS	7·87	17·35
25	IF	27·30	10·53	Dec. 1	JS	7·87	17·38
		0 28 27·23	94 19 10·34			0 48 7·88	153 35 17·59
<i>B. A. C. 151.</i>				<i>B. A. C. 260.</i>			
Nov. 13	IF	0 29 23·07	145 32 51·01	Oct. 30	CF	0 49 24·36	101 58 53·28
18	IF	23·26	51·87				
19	JS	23·33	50·16				
		0 29 23·22	145 32 51·01				
<i>B. A. C. 163.</i>							
Oct. 30	CF	0 31 19·81	91 13 (41·38)				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 276.				B. A. C. 396—continued.			
Dec. 1	JS	^{h m s} 0 52 52.46	151° 24' 36".83	Nov. 19	JS	^{h m s} 1 11 58.18	158° 7' 42".12
B. A. C. 291.				Dec. 9	IF	57.85	42.11
Oct. 30	CF	0 56 22.04	95 32 33.95			1 11 57.95	158 7 42.33
B. A. C. 342.				B. A. C. 400.			
Oct. 30	CF	1 3 34.83	99 36 31.66	Nov. 20	CF	1 13 3.52	91 12 10.86
B. A. C. 347.				θ Ceti.			
Dec. 1	JS	1 3 51.99	147 17 54.57	July 14	IF	1 17 25.60	...
9	IF	52.11	54.36	Oct. 2	CF	25.55	98 51 54.16
		1 3 52.05	147 17 54.47	30	CF	25.57	55.75
ζ Piscium.				Nov. 16	CF	...	54.74
Oct. 1	IF	1 6 50.16	83 7 24.31	20	CF	25.57	53.99
2	CF	50.31	22.49	25	IF	25.51	...
Nov. 25	IF	50.24	24.19	Dec. 1	JS	25.46	...
26	G	50.22	22.87			1 17 25.54	98 51 54.66
		1 6 50.23	83 7 23.47	B. A. C. 436.			
B. A. C. 371.				Nov. 18	IF	1 20 31.12	155 3 22.43
Nov. 16	CF	1 7 17.58	98 19 18.18	Dec. 1	JS	31.12	22.73
B. A. C. 383.				7	JS	31.23	20.87
Dec. 1	JS	1 9 35.74	146 19 52.74			1 20 31.16	155 3 22.01
B. A. C. 396.				μ Piscium.			
Nov. 18	IF	1 11 57.83	158 7 42.75	Oct. 1	IF	1 23 16.28	84 32 15.45
				2	CF	16.42	13.00
						1 23 16.35	84 32 14.23

236 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 462.				♉ Piscium.			
Dec. 1	JS	^{h m s} 1 25 51.16	140° 34' 54".32	Aug. 9	G	^{h m s} 1 38 25.62	81° 30' 26".95
7	JS	51.27	54.26	B. A. C. 539.			
9	IF	50.95	54.30	Nov. 16	CF	1 39 21.98	96 23 40.51
		1 25 51.13	140 34 54.29	20	CF	21.89	39.00
B. A. C. 475.						1 39 21.94	96 23 39.76
Nov. 16	CF	1 28 10.91	106 21 12.57	B. A. C. 543.			
20	CF	10.92	11.74	Nov. 19	JS	1 40 6.36	151 40 52.19
		1 28 10.92	106 21 12.16	Dec. 7	JS	6.23	52.53
B. A. C. 497.						1 40 6.30	151 40 52.36
Nov. 19	JS	1 31 54.42	148 56 41.27	B. A. C. 565.			
Dec. 1	JS	54.47	40.23	Nov. 16	CF	1 44 56.68	100 59 16.86
7	JS	54.44	41.31	20	CF	56.75	15.63
		1 31 54.44	148 56 40.94			1 44 56.72	100 59 16.25
B. A. C. 520.				B. A. C. 567.			
Dec. 9	IF	1 34 30.07	156 16 33.62	Dec. 16	IF	1 45 2.12	138 28 27.15
♊ Piscium.				B. A. C. 571.			
Oct. 30	CF	1 34 33.87	85 10 53.59	Nov. 25	IF	1 45 47.01	140 51 37.59
Nov. 16	CF	...	52.15	Dec. 7	JS	47.12	38.07
20	CF	33.95	50.83			1 45 47.07	140 51 37.83
25	IF	33.89	54.38	♋ Piscium.			
26	G	...	51.88	Aug. 9	G	1 46 43.53	87 27 55.54
		1 34 33.90	85 10 52.57				
B. A. C. 521 (1st Star).							
Dec. 16	IF	1 34 47.19	146 51 56.15				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ξ Piscium—continued.				B. A. C. 633.			
Oct. 2	CF	^{h m s} 1 46 43.41	87° 27' 51".83	Nov. 16	CF	^{h m s} 1 56 25.62	90° 30' 32".50
30	CF	43.48	55.52	20	CF	25.63	31.13
Dec. 23	IF	43.49	53.36			1 56 25.63	90 30 31.82
24	JS	...	53.86	α Arietis.			
		1 46 43.48	87 27 54.02	Jan. 31	CF	1 59 44.30	...
β Arietis.				Aug. 9	G	44.32	...
July 24	CF	1 47 21	69 50 20.15	Oct. 2	CF	44.18	67 9 45.90
B. A. C. 599.				Dec. 1	JS	44.23	...
Nov. 19	JS	1 51 3.50	150 57 28.73			1 59 44.26	67 9 45.90
B. A. C. 598				B. A. C. 652.			
Nov. 16	CF	1 51 16.93	92 42 16.07	Nov. 19	JS	2 0 7.69	161 3 17.07
B. A. C. 606.				Dec. 7	JS	8.05	16.85
Dec. 7	JS	1 51 58.02	142 25 13.22			2 0 7.87	161 3 16.96
B. A. C. 622.				B. A. C. 660.			
Dec. 16	IF	1 53 49.89	168 8 19.46	Nov. 16	CF	2 2 28.44	92 57 25.31
B. A. C. 638.				20	CF	28.63	24.62
Nov. 25	IF	1 56 7.48	168 59 35.67			2 2 28.54	92 57 24.97
Dec. 17	JS	7.72	36.46	B. A. C. 680.			
		1 56 7.60	168 59 36.07	Nov. 25	IF	2 4 56.56	142 21 27.31
				Dec. 7	JS	56.56	24.93
				16	IF	56.45	26.41
				17	JS	56.57	26.12
						2 4 56.54	142 21 26.19

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ξ^1 Ceti.				ξ^2 Ceti—continued.			
Oct. 2	CF	$\begin{smallmatrix} h & m & s \\ 2 & 6 & 0.42 \end{smallmatrix}$	$81^{\circ} 46' 23''.79$	Dec. 24	JS	$\begin{smallmatrix} h & m & s \\ & & \dots \end{smallmatrix}$	$82^{\circ} 7' 58''.57$
Nov. 26	G	0.44	24.75	25	CF	\dots	56.93
Dec. 24	JS	\dots	25.30			$2 \ 21 \ 8.67$	$82 \ 7 \ 58.11$
		$2 \ 6 \ 0.43$	$81 \ 46 \ 24.61$	B. A. C. 762.			
B. A. C. 709.				Nov. 19	JS	$2 \ 21 \ 12.73$	$150 \ 54 \ 11.98$
Dec. 17	JS	$2 \ 10 \ 22.81$	$165 \ 7 \ 12.38$	25	IF	12.61	12.66
67 Ceti.				Dec. 17	JS	12.50	12.16
Aug. 9	G	$2 \ 10 \ 24.07$	\dots			$2 \ 21 \ 12.61$	$150 \ 54 \ 12.27$
Nov. 16	CF	\dots	$97 \ 1 \ 52.98$	B. A. C. 779.			
20	CF	24.03	51.73	Dec. 2	IF	$2 \ 24 \ 59.86$	$154 \ 53 \ 22.58$
		$2 \ 10 \ 24.05$	$97 \ 1 \ 52.36$	7	JS	59.76	21.70
B. A. C. 724.				16	IF	59.78	23.04
Nov. 25	IF	$2 \ 12 \ 43.97$	$158 \ 21 \ 30.47$	17	JS	59.64	23.42
B. A. C. 734.						$2 \ 24 \ 59.76$	$154 \ 53 \ 22.69$
Dec. 2	IF	$2 \ 15 \ 37.77$	$146 \ 33 \ 5.65$	B. A. C. 820.			
16	IF	37.55	5.81	Dec. 2	IF	$2 \ 33 \ 3.20$	$143 \ 6 \ 55.00$
		$2 \ 15 \ 37.66$	$146 \ 33 \ 5.73$	B. A. C. 833.			
ξ^2 Ceti.				Dec. 16	IF	$2 \ 34 \ 32.48$	$169 \ 41 \ 5.23$
Feb. 1	JS	\dots	$82 \ 7 \ 58.10$	γ Ceti.			
Aug. 9	G	$2 \ 21 \ 8.69$	58.17	Aug. 9	G	$2 \ 36 \ 27.74$	\dots
Oct. 30	CF	8.63	58.87	Nov. 30	CF	\dots	$87 \ 19 \ 19.56$
Nov. 20	CF	8.68	57.89	Dec. 4	CF	27.86	18.80
26	G	\dots	58.21			$2 \ 36 \ 27.80$	$87 \ 19 \ 19.18$

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 846.				B. A. C. 899.			
Nov. 19	JS	^{h m s} 2 37 16.36	157° 31' 22".83	Dec. 17	JS	^{h m s} 2 47 28.08	147° 44' 8".26
Dec. 7	JS	16.37	21.20	30	IF	28.16	7.46
17	JS	16.39	24.02			2 47 28.12	147 44 7.86
		2 37 16.37	157 31 22.68	B. A. C. 906.			
μ Ceti.				Dec. 2	IF	2 48 53.43	154 4 50.31
Aug. 9	G	2 37 48.69	80 26 41.64	B. A. C. 928.			
Dec. 25	CF	48.57	39.82	Dec. 11	JS	2 51 21.49	165 36 22.15
		2 37 48.63	80 26 40.73	λ Ceti.			
B. A. C. 862.				Nov. 28	JS	2 52 38.62	81 37 12.10
Dec. 2	IF	2 39 56.67	143 7 43.93	α Ceti.			
B. A. C. 869.				June 10	G	2 55 22.97	...
Jan. 3	CF	...	157 16 12.32	Dec. 4	CF	22.95	86 25 46.46
Dec. 17	JS	2 41 8.79	12.28	10	CF	...	47.29
		2 41 8.79	157 16 12.30	18	CF	...	45.39
B. A. C. 874.						2 55 22.96	86 25 46.38
Dec. 16	IF	2 41 44.66	159 43 10.32	B. A. C. 958.			
B. A. C. 895.				Dec. 2	IF	2 57 8.98	154 9 5.71
Dec. 7	JS	2 46 6.08	153 21 16.58	11	IS	8.73	6.16
9	IF	6.10	16.33	30	IF	9.11	6.46
11	JS	6.02	16.49			2 57 8.94	154 9 6.11
		2 46 6.07	153 21 16.47	B. A. C. 973.			
				Dec. 9	IF	3 0 51.70	151 21 19.79

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
δ Arietis.				B. A. C. 1054.			
Aug. 14	CF	^h 3 ^m 4 ^s 5.13	70° 46' 25".67	Dec. 15	CF	^h ... ^m ... ^s ...	116° 3' 42".12
Dec. 4	CF	5.09	27.72	18	CF	3 16 35.82	40.89
10	CF	...	28.03			3 16 35.82	116 3 41.51
18	CF	...	26.90	ο Tauri.			
		3 4 5.11	70 46 27.08	Nov. 28	JS	3 17 42.67	81 26 14.89
B. A. C. 992.				ξ Tauri.			
Dec. 30	IF	3 5 17.89	151 39 17.07	Feb. 1	JS	3 20 0.90	80 43 45.80
B. A. C. 996.				2	JS	1.02	45.39
Dec. 16	IF	3 6 9.82	139 14 1.91			3 20 0.96	80 43 45.60
B. A. C. 1014.				B. A. C. 1073.			
Dec. 9	IF	3 9 12.57	147 48 58.67	Dec. 4	CF	3 20 48.19	117 46 58.31
B. A. C. 1013.				B. A. C. 1086.			
Dec. 15	CF	...	99 18 42.88	Dec. 16	IF	3 23 11.12	134 18 57.42
18	CF	3 9 25.42	40.76	B. A. C. 1091.			
		3 9 25.42	99 18 41.82	Dec. 30	IF	3 23 29.81	160 5 18.06
B. A. C. 1048.				ζ Tauri.			
Dec. 16	IF	3 14 54.76	153 4 52.04	Jan. 5	IF	...	77 31 2.89
30	IF	54.90	49.13	Dec. 25	CF	3 23 35.23	2.97
		3 14 54.83	153 4 50.59			3 23 35.23	77 31 2.93
B. A. C. 1039.							
Dec. 4	CF	3 15 38.02	114 6 36.67				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1094.				B. A. C. 1131—continued.			
Dec. 9	IF	^{h m s} 3 25 0'47	159° 47' 52''11	Dec. 17	JS	^{h m s} 3 32 56'08	156° 12' 9''32
11	JS	0'48	52'16	30	IF	56'43	11'01
17	JS	0'37	52'45			3 32 56'13	156 12 9'92
		3 25 0'44	159 47 52'24	B. A. C. 1130.			
B. A. C. 1093.				Dec. 4	CF	3 33 18'49	118 22 32'73
Dec. 15	CF	...	131 48 57'81	10	CF	18'22	33'05
18	CF	3 25 31'40	58'13			3 33 18'36	118 22 32'89
		3 25 31'40	131 48 57'97	B. A. C. 1141.			
B. A. C. 1100.				Jan. 20	JS	3 35 31'97	150 12 27'48
Dec. 4	CF	3 25 42'76	99 54 21'37	22	IF	31'92	27'94
10	CF	42'77	23'18			3 35 31'95	150 12 27'71
		3 25 42'77	99 54 22'28	B. A. C. 1160.			
B. A. C. 1113.				Dec. 15	CF	...	136 22 46'22
Jan. 20	JS	3 29 31'16	156 56 10'84	18	CF	3 37 55'70	44'00
22	IF	31'06	11'98			3 37 55'70	136 22 45'11
23	B	31'14	13'23	B. A. C. 1183.			
		3 29 31'12	156 56 12'02	Jan. 20	JS	3 40 55'63	144 53 47'34
B. A. C. 1118.				22	IF	55'84	48'31
Dec. 18	CF	3 31 20'39	134 9 18'13	Dec. 16	IF	55'78	48'58
B. A. C. 1131.						3 40 55'75	144 53 48'08
Dec. 9	IF	3 32 56'07	156 12 9'26	♄ Tauri.			
11	JS	56'11	9'50	Aug. 10	JS	3 41 2'12	79 15 53'60
16	IF	55'97	10'51				

242 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>e Tauri—continued.</i>				<i>γ Hydri.</i>			
Nov. 28	JS	^{h m s} 3 41 2'01	^{° ' "} 79 15 54'16	Feb. 26	B	^{h m s} 3 49 19'21	^{° ' "} ... "
Dec. 25	CF	2'12	52'37	27	CF	19'04	...
		3 41 2'08	79 15 53'38	28	JS	19'04	...
B. A. C. 1181.				Mar. 2	IF	18'72	...
Dec. 4	CF	3 41 10'08	113 38 27'30	5	JS	19'01	164 38 34'07
10	CF	10'04	28'26	6	IF	19'06	...
		3 41 10'06	113 38 27'78	10	JS	19'07	33'75
B. A. C. 1185.				12	G	18'51	...
Dec. 9	IF	3 41 12'21	144 41 24'39	18	G	18'57	...
17	JS	12'00	25'03	20	CF	19'02	...
		3 41 12'11	144 41 24'71	26	CF	18'73	...
B. A. C. 1200.				Aug. 28	OF	18'93	35'39
Dec. 11	JS	3 42 24'15	169 31 15'33	29	G	18'34	34'63
B. A. C. 1208.				Nov. 2	JS	19'00	33'20
Dec. 15	CF	...	133 7 40'00			3 49 18'88	164 38 34'21
18	CF	3 45 21'37	43'13	<i>γ Hydri S.P.</i>			
		3 45 21'37	133 7 41'57	Feb. 20	B	3 49 19'41	164 38 34'56
B. A. C. 1215.				26	B	18'91	...
Jun. 20	JS	3 46 6'19	162 3 55'55	27	CF	19'41	...
22	IF	6'21	56'88	Mar. 4	B	18'84	33'25
23	B	6'19	57'16	9	B	19'00	...
		3 46 6'20	162 3 56'53	10	JS	18'91	33'59
				12	G	18'90	...
				20	CF	19'19	37'04
				23	B	18'97	...
				25	IF	18'82	...
				31	JS	19'05	38'48
				Apr. 2	B	18'95	...
				3	CF	19'18	35'43
				Aug. 21	IF	19'28	35'75
				28	CF	18'87	35'32

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ Hydri S.P.—continued.				B. A. C. 1249.			
Aug. 29	G	^{h m s} 3 49 18.40	^{° ' "}	Dec. 15	OF	^{h m s}	134 17 32.19
30	G	18.60	...	18	CF	3 55 1.42	32.07
		3 49 18.98	164 38 35.43			3 55 1.42	134 17 32.13
B. A. C. 1233.				B. A. C. 1255.			
Jan. 23	B	3 51 6.18	143 4 34.91	Dec. 11	JS	3 55 53.08	147 28 39.92
Dec. 11	JS	6.10	35.60	17	JS	53.09	39.46
		3 51 6.14	143 4 35.26			3 55 53.09	147 28 39.69
γ^1 Eridani.				B. A. C. 1271.			
Jan. 20	JS	3 51 52.42	...	Jan. 20	JS	3 59 10.23	151 26 56.35
22	IF	52.31	...	22	IF	10.05	56.00
June 10	G	52.32	...	23	B	...	56.67
		3 51 52.35	103 53			3 59 10.14	151 26 56.34
λ Tauri.				B. A. C. 1278.			
Jan. 5	IF	...	77 53 4.22	Jan. 23	B	4 1 31.41	161 31 58.15
6	B	3 53 22.33	5.48	Dec. 11	JS	31.21	57.15
Nov. 28	JS	22.23	4.19	17	JS	31.42	56.60
29	JS	...	4.84			4 1 31.35	161 31 57.30
		3 53 22.28	77 53 4.68	B. A. C. 1284.			
B. A. C. 1243.				Dec. 4	OF	4 3 56.28	97 16 12.97
Dec. 4	CF	3 54. 17.76	114 23 31.71	B. A. C. 1288.			
10	CF	17.79	30.92	Dec. 15	CF	...	136 12 51.13
		3 54 17.78	114 23 31.32	18	CF	4 4 28.19	53.02
						4 4 28.19	136 12 52.08

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♂ Eridani.				B. A. C. 1375.			
Jan. 20	JS	^{h m s} 4 5 25.48	° ' "	Dec. 15	CF	^{h m s}	136° 56' 52".10
22	IF	25.53	...	18	CF	4 20 21.62	53.24
31	CF	25.48	...			4 20 21.62	136 56 52.67
Mar. 5	JS	25.42	...	ε Tauri.			
6	IF	25.51	...	Jan. 7	JS	...	71 6 52.58
		4 5 25.48	97 11	31	CF	4 20 54.64	...
B. A. C. 1319.				Feb. 2	JS	...	55.84
Jan. 23	B	4 8 44.50	168 59 4.73	3	G	...	53.52
Dec. 11	JS	44.53	4.65	Aug. 28	OF	54.67	52.57
17	JS	44.66	4.22	Nov. 2	JS	...	52.44
		4 8 44.56	168 59 4.53	Dec. 4	CF	54.64	52.54
B. A. C. 1317.				10	CF	...	53.47
Feb. 5	IF	4 10 6.63	136 27 43.95	27	CF	...	52.61
B. A. C. 1327.						4 20 54.65	71 6 53.20
Jan. 20	JS	4 11 51.68	129 12 34.97	♂ Tauri.			
22	IF	51.72	37.05	Oct. 5	JS	4 21 7.70	74 25 27.31
		4 11 51.70	129 12 36.01	B. A. C. 1387 (1st Star).			
δ Tauri.				Jan. 20	JS	4 21 37	147 22 17.32
Feb. 2	JS	4 15 19.41	72 46 10.05	B. A. C. 1387 (2nd Star).			
3	G	19.50	9.50	Jan. 20	JS	...	147 22 14.72
Dec. 27	CF	19.42	10.05	22	IF	4 21 37.87	14.07
		4 15 19.44	72 46 9.87			4 21 37.87	147 22 14.40
B. A. C. 1359.							
Dec. 11	JS	4 16 10.12	157 0 8.08				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1396.				B. A. C. 1467.			
Feb. 5	IF	^h 4 ^m 23 ^s 13'16	137° 13' 57''87	Jan. 21	G	^h 4 ^m 38 ^s 3'36	121° 0' 44''99
Dec. 11	JS	13'30	57'45	B. A. C. 1469.			
		4 23 13'23	137 13 57'66	Jan. 24	CF	4 38 54'16	93 29 54'42
B. A. C. 1416.				B. A. C. 1471.			
Jan. 24	CF	4 27 29'04	97 1 2'57	Feb. 5	IF	4 38 56'71	117 49 24'07
α Tauri.				B. A. C. 1480.			
Jan. 7	JS	...	73 45 29'88	Jan. 9	IF	4 40 56'67	124 14 46'89
10	OF	4 28 20'93	...	B. A. C. 1489.			
14	CF	20'88	...	Jan. 20	JS	4 42 21'93	149 58 29'56
15	IF	20'96	...	22	IF	21'74	31'34
17	IF	20'94	...			4 42 21'84	149 58 30'45
20	JS	20'95	...	B. A. C. 1487.			
31	CF	20'93	...	Jan. 31	CF	4 42 36'21	106 33 52'73
Feb. 4	OF	20'88	...	B. A. C. 1499.			
5	IF	20'96	...	Jan. 21	G	4 44 30'35	134 12 45'11
Mar. 2	IF	20'95	30'61	B. A. C. 1507.			
20	OF	21'08	...	Jan. 24	CF	4 46 24'67	95 40 31'56
June 10	G	20'90	...	B. A. C. 1511.			
29	G	20'90	...	Feb. 5	IF	4 46 39'95	125 7 44'96
July 6	G	20'86	...				
Sept. 2	IF	20'98	...				
Oct. 5	JS	...	31'00				
Nov. 2	JS	...	30'69				
Dec. 4	CF	20'76	30'10				
10	OF	...	29'79				
15	OF	...	27'95				
18	OF	...	28'90				
27	CF	...	29'58				
		4 28 20'92	73 45 29'83				

246 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1513.				B. A. C. 1587.			
Jan. 9	IF	^{h m s} 4 47 2.77	124° 27' 40".05	Jan. 16	JS	^{h m s} ...	165° 8' 17".98
B. A. C. 1529.				Feb. 7	JS	...	17.64
Jan. 31	CF	4 49 54.26	95 22 54.94			4 59 0	165 8 17.81
Feb. 11	IF	...	55.95	B. A. C. 1569.			
		4 49 54.26	95 22 55.45	Feb. 11	IF	4 59 21	139 20 21.31
B. A. C. 1533.				ε Leporis.			
Jan. 21	G	4 50 29.72	129 50 31.22	Jan. 21	G	4 59 52.40	...
B. A. C. 1548.				22	IF	52.48	...
Jan. 16	JS	...	156 53 10.50	Mar. 2	IF	52.48	...
20	JS	4 53 18.85	10.57			4 59 52.45	112 33
22	IF	18.49	9.63	B. A. C. 1579.			
Feb. 7	JS	18.95	10.44	Jan. 31	CF	5 0 14.18	94 50 3.13
		4 53 18.76	156 53 10.29	Lalande 9667.			
B. A. C. 1544.				Jan. 15	IF	5 1 7.13	98 49 48.92
Jan. 24	CF	4 53 35.68	100 27 29.52	"17	IF	7.18	47.22
B. A. C. 1556.						5 1 7.16	98 49 48.07
Feb. 5	IF	4 55 18.41	162 37 31.48	B. A. C. 1588.			
B. A. C. 1553.				Jan. 9	IF	5 1 21.55	95 15 34.01
Jan. 9	IF	4 55 42.03	110 14 46.31	10	CF	21.76	34.89
31	CF	41.92	43.19			5 1 21.66	95 15 34.45
		4 55 41.98	110 14 44.75				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1592.				β Orionis—continued.			
Jan. 14	CF	^{h m s} 5 2 0.98	98° 50' 17".75	July 7	G	^{h m s} 5 8 11.71	° ' "
Feb. 19	IF	1.00	19.51	9	G	11.79	...
		5 2 0.99	98 50 18.63	Dec. 28	G	11.75	...
B. A. C. 1597.						5 8 11.72	98 21 22.43
Jan. 24	CF	5 2 49.87	98 55 31.78	B. A. C. 1640.			
B. A. C. 1603.				Jan. 20	JS	5 10 49.59	142 10 53.90
Feb. 5	IF	5 4 15.95	131 23 38.69	Feb. 7	JS	49.62	54.52
B. A. C. 1618.						5 10 49.61	142 10 54.21
Jan. 24	CF	5 7 12.70	98 18 21.65	B. A. C. 1638.			
31	CF	12.63	18.82	Jan. 14	CF	5 11 11.91	96 59 20.08
		5 7 12.67	98 18 20.24	15	IF	12.07	22.63
*				17	IF	11.93	19.64
Jan. 21	G	5 8 11	98 21 32.29			5 11 11.97	96 59 20.78
β Orionis.				B. A. C. 1652.			
Jan. 10	CF	5 8 11.60	98 21 22.43	Jan. 7	JS	5 12 36.23	142 19 44.77
21	G	11.65	...	16	JS	36.41	44.15
22	IF	11.72	...			5 12 36.32	142 19 44.46
Feb. 4	CF	11.73	...	B. A. C. 1653.			
5	IF	11.76	...	Feb. 4	CF	5 13 29.70	103 18 52.86
21	IF	11.72	...	B. A. C. 1660.			
Mar. 2	IF	11.77	...	Jan. 10	CF	5 15 1.48	90 30 53.94
				Feb. 5	IF	1.46	54.03
						5 15 1.47	90 30 53.99

248 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1670.				B. A. C. 1708.			
Feb. 11	IF	$\begin{smallmatrix} h & m & s \\ 5 & 16 & 21 \end{smallmatrix}$	$114^{\circ} 54' 10'' 63$	Jan. 31	CF	$\begin{smallmatrix} h & m & s \\ 5 & 20 & 55 \end{smallmatrix} \cdot 86$	$102^{\circ} 0' 49'' 59$
B. A. C. 1674.				B. A. C. 1713.			
Oct. 5	JS	$5 \ 16 \ 21 \cdot 67$	$137 \ 10 \ 54 \cdot 94$	Feb. 5	IF	$5 \ 22 \ 6 \cdot 28$	$116 \ 41 \ 44 \cdot 39$
B. A. C. 1678.				B. A. C. 1724.			
Feb. 19	IF	$5 \ 17 \ 8 \cdot 59$	$90 \ 59 \ 31 \cdot 95$	Feb. 11	IF	$5 \ 23 \ 42$	$127 \ 20 \ 30 \cdot 44$
21	IF	$8 \cdot 75$	$34 \cdot 30$				
		$5 \ 17 \ 8 \cdot 67$	$90 \ 59 \ 33 \cdot 13$				
B. A. C. 1686.				119 Tauri.			
Feb. 7	JS	$5 \ 17 \ 34 \cdot 91$	$134 \ 30 \ 10 \cdot 40$	Feb. 3	G	$5 \ 24 \ 28 \cdot 57$	$71 \ 30 \ 24 \cdot 15$
				4	CF	$28 \cdot 43$	$22 \cdot 47$
						$5 \ 24 \ 28 \cdot 50$	$71 \ 30 \ 23 \cdot 31$
B. A. C. 1680.				8 Orionis.			
Jan. 14	CF	$5 \ 17 \ 35 \cdot 46$	$97 \ 55 \ 53 \cdot 53$	Jan. 10	CF	$5 \ 25 \ 15 \cdot 87$	...
15	IF	$35 \cdot 57$	$52 \cdot 76$	14	CF	$15 \cdot 96$	...
17	IF	$35 \cdot 41$	$52 \cdot 49$	15	IF	$15 \cdot 77$	...
		$5 \ 17 \ 35 \cdot 48$	$97 \ 55 \ 52 \cdot 93$	17	IF	$15 \cdot 85$	...
B. A. C. 1691.				21	G	$15 \cdot 88$	...
Jan. 16	JS	$5 \ 18 \ 16 \cdot 63$	$141 \ 42 \ 15 \cdot 39$	22	IF	$15 \cdot 83$	...
20	JS	$16 \cdot 60$	$15 \cdot 41$	23	B	$15 \cdot 95$	...
22	IF	$16 \cdot 58$	$16 \cdot 27$	24	CF	$15 \cdot 88$	...
		$5 \ 18 \ 16 \cdot 60$	$141 \ 42 \ 15 \cdot 69$	Mar. 2	IF	$15 \cdot 82$	...
116 Tauri.				June 29	G	$15 \cdot 83$	...
Nov. 2	JS	$5 \ 20 \ 10 \cdot 61$	$74 \ 14 \ 21 \cdot 51$	July 6	G	$15 \cdot 89$	...
				7	G	$15 \cdot 84$	...
				Dec. 28	G	$15 \cdot 78$	...
						$5 \ 25 \ 15 \cdot 86$	$90 \ 24$

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1732.				ε Orionis— <i>continued</i> .			
Feb. 19	IF	^{h m s} 5 25 28.62	110° 57' 46".78	Jan. 15	IF	^{h m s} 5 29 31.10	° ... "
21	IF	28.65	46.91	17	IF	31.04	...
		5 25 28.64	110 57 46.85	21	G	31.00	...
B. A. C. 1738.				23	B	31.15	...
Feb. 7	JS	5 26 12.21	137 10 41.07	24	CF	31.09	...
13	JS	...	41.79	June 29	G	30.99	...
		5 26 12.21	137 10 41.43	July 7	G	31.02	...
B. A. C. 1740.				9	G	31.05	...
Jan. 20	JS	5 26 31.68	137 10 25.37	Dec. 28	G	31.00	...
Feb. 7	JS	31.70	26.63			5 29 31.04	91 17
13	JS	31.81	26.93	ζ Tauri.			
		5 26 31.73	137 10 26.31	Jan. 7	JS	5 29 45.39	68 56 25.05
α Leporis.				8	G	45.37	27.25
Jan. 21	G	5 26 54.56	...	Feb. 3	G	45.46	27.46
June 29	G	54.52	...	4	CF	45.31	25.05
July 6	G	54.49	...	Mar. 2	IF	45.41	25.74
7	G	54.46	...	Oct. 7	IF	45.37	26.88
Dec. 28	G	54.54	...	Nov. 2	JS	45.43	26.63
		5 26 54.51	107 55			5 29 45.39	68 56 26.29
B. A. C. 1753.				B. A. C. 1779.			
Feb. 5	IF	5 28 23.97	125 13 53.81	Oct. 5	JS	5 31 7.45	144 59 26.02
ε Orionis.				B. A. C. 1781.			
Jan. 10	CF	5 29 31.08	...	Feb. 11	IF	5 31 54	125 8 42.47
14	CF	30.95	...	B. A. C. 1780.			
				Jan. 9	IF	5 32 7.14	92 40 43.08

250 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1789.				B. A. C. 1809.			
Jan. 14	CF	^{h m s} 5 32 56.62	93° 38' 23".96	Feb. 5	IF	^{h m s} 5 36 37.13	123° 28' 2".89
15	IF	56.68	25.52	B. A. C. 1815.			
17	IF	56.75	24.99	B. A. C. 1815.			
..		5 32 56.68	93 38 24.82	Jan. 16	JS	5 36 55.12	156 38 3.71
Lalande 10705.				Oct. 5	JS	55.32	3.83
Feb. 21	IF	5 33 17.07	92 0 4.86			5 36 55.22	156 38 3.77
B. A. C. 1795.				B. A. C. 1840.			
Jan. 20	JS	5 33 31.08	151 15 24.49	Jan. 24	CF	5 40 58.52	104 52 22.16
Feb. 7	JS	30.98	27.34	B. A. C. 1842.			
13	JS	32.12	28.00	Feb. 11	IF	5 41 3	129 22 1.67
		5 33 31.39	151 15 26.61	B. A. C. 1843.			
B. A. C. 1794.				Jan. 10	CF	5 41 29.74	99 43 5.35
Jan. 24	CF	5 34 5.97	92 0 52.49	14	CF	29.65	5.66
Feb. 19	IF	6.01	52.05	15	IF	29.88	7.47
		5 34 5.99	92 0 52.27	17	IF	29.76	7.53
α Columbae.						5 41 29.76	99 43 6.50
Jan. 21	G	5 34 52.11	124 8 44.83	B. A. C. 1858.			
22	IF	52.17	...	Feb. 7	JS	5 43 20.33	131 38 7.35
Mar. 2	IF	52.04	...	13	JS	20.31	10.86
Apr. 2	B	52.24	...			5 43 20.32	131 38 9.11
June 9	G	51.97	...	B. A. C. 1860.			
Sept. 9	CF	...	45.34	Feb. 5	IF	5 44 22.70	113 0 49.38
Nov. 30	CF	52.13	41.72	19	IF	22.63	49.06
		5 34 52.11	124 8 43.96				

Date.	Observer.	R. A.	N. P. D.	Date.	Observer.	R. A.	N. P. D.
B. A. C. 1860—continued.				α Orionis.—continued.			
Feb. 21	IF	^{h m s} 5 44 22.69	113° 0' 49.81	May 5	OF	^{h m s} ... 82° 37' 11.24	
25	IF	22.77	49.61	6	CF	...	9.82
		5 44 22.70	113 0 49.47	Sept. 9	OF	...	11.35
B. A. C. 1864.				Nov. 30	CF	...	12.07
Jan. 9	IF	5 44 59.59	97 33 20.30			5 48 1.54	82 37 11.36
B. A. C. 1873.				B. A. C. 1892.			
Jan. 16	JS	5 45 44.16	134 54 51.43	Feb. 11	IF	5 48 22	128 33 19.09
20	JS	44.10	54.05	B. A. C. 1901.			
22	IF	43.96	54.10	Jan. 24	CF	5 50 23.52	104 11 37.43
		5 45 44.07	134 54 53.19	B. A. C. 1906.			
χ^1 Orionis.				Jan. 9	IF	5 50 57.32	127 8 26.80
Mar. 2	IF	5 46 34.03	69 45 6.36	Feb. 5	IF	57.45	28.21
Oct. 7	IF	33.87	3.86			5 50 57.39	127 8 27.51
Dec. 28	G	34.03	5.42	B. A. C. 1919.			
		5 46 33.98	69 45 5.21	Jan 15	IF	5 52 44.46	99 23 44.30
B. A. C. 1898.				17	IF	44.44	43.51
Feb. 13	JS	5 47 43	170 33 51.75			5 52 44.45	99 23 43.91
α Orionis.				B. A. C. 1920.			
Jan. 8	G	5 48 1.58	82 37 12.53	Jan. 14	CF	5 52 48.22	99 34 9.73
23	B	1.43	...	31	CF	48.39	6.62
Feb. 4	CF	1.54	...	Feb. 19	IF	48.33	8.03
26	B	1.57	...	21	IF	48.37	9.36
Apr. 2	B	1.59	...	26	B	48.24	10.44
						5 52 48.31	99 34 8.84

252 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1936.				B. A. C. 1956.			
Jan. 10	CF	^{h m s} 5 55 37.93	100° 36' 7".78	Jan. 14	CF	^{h m s} 5 59 12.86	100° 14' 9".20
				17	IF	13.04	8.46
				24	CF	13.23	7.47
B. A. C. 1940.							
Jan. 20	JS	5 55 55.97	141 13 53.06				
22	IF	55.81	53.48				
Feb. 7	JS	55.81	53.27				
		5 55 55.86	141 13 53.27				
χ ⁴ Orionis.				ν Orionis.			
Nov. 30	CF	5 56 4.64	69 51 40.96	Jan. 7	JS	...	75 13 6.63
Dec. 1	JS	4.75	39.93	8	G	6 0 2.13	4.43
		5 56 4.70	69 51 40.45	23	B	2.10	...
				Feb. 4	CF	2.17	...
				5	IF	2.16	...
				26	B	2.08	...
				Dec. 28	G	2.12	...
						6 0 2.13	75 13 5.53
B. A. C. 1941.				B. A. C. 1959.			
Feb. 11	IF	5 56 29	123 54 50.48	Feb. 19	IF	6 0 10.90	104 55 31.75
				21	IF	11.00	31.51
						6 0 10.95	104 55 31.63
B. A. C. 1954.				B. A. C. 1961.			
Feb. 13	JS	5 58 33.57	148 6 16.08	Jan. 10	OF	6 0 41.15	101 9 38.73
28	JS	33.56	15.96				
Oct. 5	JS	33.65	15.00	B. A. C. 1972.			
		5 58 33.59	148 6 15.68	Jan. 21	G	6 1 21.68	138 26 49.48
B. A. C. 1955.				B. A. C. 1993.			
Jan. 31	CF	5 59 5.75	106 28 36.52	Feb. 11	IF	...	134 20 7.25
				28	JS	6 4 41.61	6.31
						6 4 41.61	134 20 6.78

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1994.				B. A. C. 2027.			
Jan. 15	IF	^{h m s} 6 5 26.32	96° 31' 19".51	Feb. 19	IF	^{h m s} 6 10 52.15	119° 44' 42".75
17	IF	26.45	19.66	21	IF	52.36	43.48
24	CF	26.38	19.78			6 10 52.26	119 44 43.12
Feb. 26	B	26.40	18.92	B. A. C. 2030.			
		6 5 26.39	96 31 19.47	Jan. 24	CF	6 11 22.93	100 40 42.27
B. A. C. 2003.				Feb. 20	B	23.12	41.94
Jan. 22	IF	6 6 0.01	156 1 16.14			6 11 23.03	100 40 42.11
Feb. 7	JS	0.11	...	B. A. C. 2040.			
13	JS	0.07	15.64	Jan. 14	CF	6 13 21.35	97 46 11.05
Oct. 5	JS	0.35	17.01	15	IF	21.35	9.80
		6 6 0.14	156 1 16.26	17	IF	21.35	11.60
B. A. C. 2006.						6 13 21.35	97 46 10.82
Jan. 7	JS	6 6 52.17	135 15 13.02	B. A. C. 2052.			
16	JS	52.10	11.13	Jan. 7	JS	6 14 56.96	142 40 48.70
20	JS	52.28	10.31	16	JS	57.01	48.87
		6 6 52.18	135 15 11.49	20	JS	57.02	47.94
γ Geminorum.						6 14 57.00	142 40 48.50
Feb. 4	CF	6 6 54.63	67 27 28.88	μ Geminorum.			
5	IF	54.46	26.61	Jan. 30	B	6 14 58.50	...
Nov. 30	CF	54.65	27.80	Feb. 4	CF	58.46	67 25 19.88
Dec. 1	JS	54.52	26.72	5	IF	58.49	16.60
		6 6 54.57	67 27 27.50	26	B	58.40	...
B. A. C. 2015.				Mar. 2	IF	58.37	...
Jan. 10	CF	6 8 25.05	96 14 11.13	6	IF	58.42	...
31	CF	25.15	9.96	11	IF	58.54	...
		6 8 25.10	96 14 10.55	Oct. 7	IF	58.36	20.59

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>μ Geminorum—continued.</i>				<i>B. A. C. 2087—continued.</i>			
Nov. 30	CF	^{h m s}	67° 25' 18" 30	Jan. 15	IF	^{h m s} 6 20 28·52	94° 16' 45" 00
Dec. 1	JS	6 14 58·43	16·71	17	IF	28·59	44·95
29	JS	...	16·46	24	CF	28·52	44·28
		6 14 58·44	67 25 18·09			6 20 28·55	94 16 44·71
<i>B. A. C. 2055.</i>				<i>B. A. C. 2088.</i>			
Jan. 22	IF	6 15 33·14	140 18 15·92	Feb. 26	B	6 20 30·68	90 11 55·16
Feb. 7	JS	33·22	13·83	Mar. 11	IF	30·80	57·35
13	JS	33·33	15·56			6 20 30·74	90 11 56·26
		6 15 33·23	140 18 15·10	<i>B. A. C. 2093.</i>			
<i>B. A. C. 2061.</i>				Jan. 7	JS	6 20 34·37	146 17 55·97
Jan. 31	CF	6 16 53·04	107 53 30·41	20	JS	34·59	56·64
Feb. 20	B	53·32	32·43	Feb. 7	JS	34·55	57·32
		6 16 53·18	107 53 31·42			6 20 34·50	146 17 56·64
<i>B. A. C. 2068.</i>				<i>ν Geminorum.</i>			
Feb. 28	JS	6 17 19·96	134 41 49·53	Mar. 31	JS	6 21 7·50	69 42 24·08
<i>B. A. C. 2079.</i>				Nov. 4	G	7·52	25·29
Feb. 19	IF	6 19 26·08	126 38 23·19			6 21 7·51	69 42 24·69
21	IF	26·17	23·09	<i>B. A. C. 2099.</i>			
Mar. 2	IF	26·24	24·67	Feb. 20	B	6 22 3·12	90 29 23·10
		6 19 26·16	126 38 23·65	<i>B. A. C. 2105 (1st Star).</i>			
<i>B. A. C. 2087.</i>				Feb. 17	B	6 22 25·12	96 57 2·32
Jan. 10	CF	6 20 28·45	94 16 46·09				
14	CF	28·69	43·23				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2105 (as one mass).				B. A. C. 2147.			
Jan. 31	CF	^{h m s} 6 22 25.27	^{° ' "} 96 57 4.68	Mar. 11	IF	^{h m s} 6 27 42.69	^{° ' "} 121 56 3.20
B. A. C. 2105 (2nd Star).				B. A. C. 2158.			
Feb. 14	CF	6 22 25.50	96 57 5.47	Feb. 11	IF	6 29 12	126 8 4.44
17	B	...	7.58	γ Geminorum.			
		6 22 25.50	96 57 6.53	Jan. 8	G	6 30 5.27	...
B. A. C. 2122.				10	CF	5.10	...
Feb. 6	B	6 24 49.83	130 17 12.14	14	CF	5.13	...
B. A. C. 2136.				17	IF	5.13	...
Feb. 19	IF	6 26 31.02	125 9 59.33	30	B	5.07	...
21	IF	31.03	59.21	Feb. 5	IF	5.16	...
		6 26 31.03	125 9 59.27	21	IF	5.27	...
B. A. C. 2142.				Mar. 4	B	...	73 29 26.81
Jan. 7	JS	6 26 33.77	152 3 47.88	31	JS	...	26.86
16	JS	33.89	48.42	Oct. 7	IF	5.09	26.80
20	JS	34.07	47.58	Nov. 4	G	...	27.11
		6 26 33.91	152 3 47.96	Dec. 28	G	5.20	27.14
B. A. C. 2145.				29	JS	...	26.92
Jan. 22	IF	6 26 36 10	159 36 49.58	Piazz VI. 178.			
Feb. 28	JS	36.13	51.13	Feb. 20	B	6 30 35	108 33 9.62
		6 26 36.12	159 36 50.36	B. A. C. 2168.			
B. A. C. 2141.				Jan. 31	CF	6 30 35.98	108 33 14.06
Mar. 2	IF	6 27 1	126 50 55.29	Feb. 4	CF	35.96	11.45
				20	B	36.16	12.98
						6 30 36.03	108 33 12.83

256 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2171.				α Canis Majoris—continued.			
Mar. 6	IF	^{h m s} 6 30 55.62	109° 8' 37".05	Feb. 17	B	^{h m s}	106° 32' 13".74
B. A. C. 2174.				19	IF	6 39 19.62	13.35
Feb. 14	CF	6 32 5.15	108 7 28.44	20	B	19.62	13.80
B. A. C. 2193.				21	IF	19.67	13.77
Jan. 7	JS	6 35 6.25	138 6 10.03	25	IF	19.81	15.92
Feb. 28	JS	6.41	10.25	28	JS	19.75	14.19
B. A. C. 2195.				Mar. 4	B	19.67	14.15
Mar. 11	IF	6 35 27.24	128 2 15.52	5	JS	19.67	14.93
α Canis Majoris.				6	IF	19.68	13.86
Jan. 9	IF	6 39 19.74	...	11	IF	19.68	14.72
10	CF	19.73	106 32 14.52	18	IF	19.78	13.99
14	CF	19.75	15.92	31	JS	19.62	15.60
15	IF	19.65	15.52	Apr. 6	IF	19.68	12.96
17	IF	19.47	14.74	17	IF	19.70	14.48
20	JS	19.72	12.40	May 15	CF	...	13.73
22	IF	...	14.91	Oct. 7	IF	19.69	...
24	CF	19.80	12.03	9	CF	...	14.03
30	B	19.75	...			6 39 19.69	106 32 14.14
31	CF	19.64	12.18	α Canis Majoris (Reflexion).			
Feb. 4	CF	19.79	13.76	Jan. 22	IF	...	106 32 20.90
5	IF	19.73	15.14	B. A. C. 2250.			
7	JS	19.58	13.67	Jan. 30	B	6 44 44.24	145 23 37.90
11	IF	...	14.47	B. A. C. 2244.			
13	JS	19.74	15.38	Jan. 10	CF	6 44 49.27	117 10 58.06
14	CF	19.66	12.34	24	CF	49.53	57.18
						6 44 49.40	117 10 57.62

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2251.				B. A. C. 2269.			
Feb. 6	B	^{h m s} 6 45 23·91	121° 33' 13" 61	Feb. 19	IF	^{h m s} 6 49 20·56	110° 14' 16" 57
Mar. 2	IF	23·93	14·30	21	IF	20·80	16·14
		6 45 23·92	121 33 13·96			6 49 20·68	110 14 16·36
Piazz VI. 262.				B. A. C. 2272.			
Feb. 6	B	6 45 27	121 32 59·39	Mar. 11	IF	6 49 54·06	109 58 11·79
B. A. C. 2258.				B. A. C. 2282.			
Mar. 18	IF	6 47 3·16	126 4 14·81	Mar. 2	IF	6 52 1·26	125 10 6·82
B. A. C. 2263.				e Canis Majoris.			
Feb. 14	CF	6 47 50·51	110 3 43·92	Jan. 8	G	6 53 26·15	...
Mar. 6	IF	50·52	46·41	14	CF	26·20	...
		6 47 50·52	110 3 45·17	15	IF	26·14	...
B. A. C. 2264.				17	IF	26·23	...
Jan. 31	CF	6 48 3·39	101 52 29·15	20	JS	26·27	...
Feb. 4	CF	3·47	29·94	22	IF	26·19	...
26	B	3·41	29·84	24	CF	26·21	...
		6 48 3·42	101 52 29·64	30	B	26·20	...
B. A. C. 2268.				31	CF	26·04	...
Jan. 20	JS	6 48 31·52	132 20 34·34	Feb. 4	CF	26·28	...
22	IF	31·50	35·71	5	IF	26·09	...
Feb. 7	JS	31·43	34·83	21	IF	26·29	...
		6 48 31·48	132 20 34·96	Mar. 5	JS	26·30	...
				6	IF	26·30	...
				Aug. 9	G	26·21	...
				Oct. 9	CF	...	118 47 37·74
				Dec. 1	JS	26·41	...
						6 53 26·22	118 47 37·74

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ζ Geminorum.				B. A. C. 2348.			
Jan. 8	G	^{h m s} 6 56 16.73	69° 14' 18".85	Jan. 31	CF	^{h m s} 7 3 40.35	94° 1' 57".82
9	IF	16.61	19.99	Feb. 4	CF	40.28	57.84
Feb. 5	IF	16.69	20.36			7 3 40.32	94 1 57.83
6	B	16.51	20.08	B. A. C. 2353.			
Dec. 1	JS	16.62	21.63	Jan. 20	JS	7 4 3.45	141 45 42.67
2	IF	16.89	21.21	22	IF	3.39	44.24
29	JS	16.65	18.88	Feb. 7	JS	3.40	41.82
		6 56 16.67	69 14 20.14			7 4 3.41	141 45 42.91
γ Canis Majoris.				B. A. C. 2358.			
Jan. 14	CF	6 57 47.18	...	Feb. 26	B	7 5 7.44	90 16 33.67
15	IF	47.25	...	B. A. C. 2366.			
17	IF	47.18	...	Feb. 14	CF	7 6 33.30	90 2 16.92
20	JS	47.05	...	B. A. C. 2372.			
22	IF	47.18	...	Mar. 11	IF	7 6 53.72	128 53 6.16
24	CF	47.20	...	B. A. C. 2371.			
31	CF	47.25	...	Mar. 6	IF	7 6 58.95	120 36 8.23
Feb. 4	CF	47.15	...	B. A. C. 2388.			
21	IF	47.20	...	Jan. 31	CF	7 8 52.41	116 7 35.23
26	B	47.10	105 26 22.44	B. A. C. 2396.			
Mar. 5	JS	47.20	...	Mar. 5	JS	7 9 19.80	145 56 2.49
6	IF	47.27	...				
11	IF	47.25	...				
		6 57 47.19	105 26 22.44				
B. A. C. 2328.							
Mar. 2	IF	6 59 54.43	133 25 33.70				
B. A. C. 2344.							
Mar. 18	IF	7 2 47.87	130 41 16.79				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2394.				B. A. C. 2436.			
Mar. 18	IF	^{h m s} 7 9 30'94	120° 25' 43''90	Feb. 19	IF	^{h m s} 7 15 38'98	115° 38' 43''47
λ Geminorum.				21	IF	38'99	42'43
						7 15 38'99	115 38 42'95
				B. A. C. 2437.			
Jan. 8	G	7 10 30'42	73 13 25'71	Jan. 31	CF	7 15 56'93	95 43 59'49
9	IF	30'19	25'85	Feb. 4	CF	56'95	59'18
Feb. 5	IF	30'37	25'25	14	CF	57'01	57'74
6	B	(29'97)	24'89			7 15 56'96	95 43 58'80
Mar. 4	B	30'36	27'74	B. A. C. 2445 (1st Star).			
31	JS	30'43	26'37	Feb. 28	JS	7 17 10'48	142 4 8'19
Apr. 1	IF	30'50	26'25	Mar. 5	JS	10'35	8'21
Nov. 4	G	30'46	26'66			7 17 10'42	142 4 8'20
		7 10 30'39	73 13 26'09	B. A. C. 2445 (2nd Star).			
B. A. C. 2402.				Feb. 28	JS	...	142 3 59'26
Feb. 7	JS	7 10 41'54	143 26 24'79	Mar. 5	JS	...	58'07
28	JS	41'66	25'04			7 17 11	142 3 58'67
		7 10 41'60	143 26 24'92	B. A. C. 2446.			
δ Geminorum.				Feb. 5	IF	7 17 33'33	121 47 38'58
Dec. 1	JS	7 12 14'29	67 46 38'86	B. A. C. 2449.			
2	IF	...	39'49	Mar. 18	IF	7 17 57'90	121 40 16'80
29	JS	...	38'39	Apr. 15	JS	...	16'36
		7 12 14'29	67 46 38'91			7 17 57'90	121 40 16'58
B. A. C. 2418.							
Feb. 26	B	7 13 13'88	114 42 53'70				
B. A. C. 2430.							
Mar. 6	IF	7 14 32'81	127 47 49'33				

260 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2461.				B. A. C. 2477 (2nd Star).			
Feb. 6	B	^{h m s} 7 19 40.33	121° 33' 3".87	Feb. 6	B	^{h m s} 7 23 47	121° 34' 35".22
63 Geminorum.				B. A. C. 2479.			
Mar. 31	JS	7 19 54.10	68 17 13.84	Feb. 19	IF	7 24 31.50	128 32 26.19
Apr. 1	IF	54.02	12.46	21	IF	31.45	26.68
Nov. 4	G	54.12	16.81			7 24 31.48	128 32 26.44
		7 19 54.08	68 17 14.37	B. A. C. 2490.			
B. A. C. 2470.				Jan. 30	B	7 26 47.58	142 22 34.89
Jan. 31	CF	7 21 39.38	101 17 26.37	Feb. 13	JS	47.49	34.57
Feb. 4	CF	39.27	26.29	28	JS	47.70	35.90
14	CF	39.34	26.46			7 26 47.59	142 22 35.12
17	B	39.54	24.77	B. A. C. 2496.			
26	B	39.35	25.99	Mar. 5	JS	7 27 31.85	144 7 19.66
		7 21 39.38	101 17 25.98	B. A. C. 2494.			
B. A. C. 2471.				Mar. 18	IF	7 27 38.68	114 25 43.92
Mar. 6	IF	7 21 48.06	123 52 35.05	B. A. C. 2497.			
B. A. C. 2476.				Mar. 4	B	7 28 43.98	113 11 15.05
Mar. 11	IF	7 22 58.45	140 45 10.54	Apr. 2	B	44.15	15.41
B. A. C. 2477 (1st Star).						7 28 44.07	113 11 15.23
Feb. 5	IF	7 23 46.72	121 34 41.33	B. A. C. 2498.			
6	B	46.87	42.32	Mar. 4	B	...	113 11 18.68
		7 23 46.80	121 34 41.83	Apr. 2	B	...	18.63
						7 28 45	113 11 18.66

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2508.				B. A. C. 2524.			
Mar. 6	IF	$\begin{smallmatrix} h & m & s \\ 7 & 30 & 5\cdot03 \end{smallmatrix}$	$118^{\circ} 4' 45''\cdot01$	Jan. 30	B	$\begin{smallmatrix} h & m & s \\ 7 & 32 & 23\cdot71 \end{smallmatrix}$	$142^{\circ} 14' 23''\cdot09$
B. A. C. 2513.				B. A. C. 2543.			
Feb. 26	B	$7\ 30\ 42\cdot93$	$93\ 49\ 2\cdot54$	Feb. 6	B	$7\ 34\ 48\cdot20$	$128\ 0\ 18\cdot24$
B. A. C. 2515.				B. A. C. 2542.			
Mar. 11	IF	$7\ 30\ 43\cdot09$	$134\ 0\ 24\cdot71$	Mar. 4	B	...	$99\ 14\ 42\cdot86$
	18			IF	$7\ 34\ 56\cdot57$	$42\cdot63$	
					$7\ 34\ 56\cdot57$	$99\ 14\ 42\cdot75$	
α Canis Minoris.				B. A. C. 2546.			
Jan. 9	IF	$7\ 32\ 23\cdot51$	...	Feb. 6	B	$7\ 35\ 8$	$127\ 57\ 27\cdot39$
31	CF	$23\cdot48$	...	B. A. C. 2552.			
Feb. 4	CF	$23\cdot42$	...	Jan. 30	B	$7\ 35\ 49\cdot32$	$142\ 58\ 11\cdot73$
13	JS	$23\cdot41$	...	Feb. 28	JS	$49\cdot33$	$13\cdot71$
14	CF	$23\cdot41$	...	Mar. 5	JS	$49\cdot13$	$14\cdot20$
17	B	$23\cdot67$	...			$7\ 35\ 49\cdot26$	$142\ 58\ 13\cdot21$
19	IF	$23\cdot33$	...	α Geminorum.			
20	B	$23\cdot47$	...	Dec. 29	JS	$7\ 36\ 28\cdot48$	$65\ 17\ 16\cdot81$
21	IF	$23\cdot47$	...	β Geminorum.			
Mar. 2	IF	$23\cdot25$	...	Apr. 2	B	$7\ 37\ 14\cdot27$	...
25	IF	$23\cdot50$	...	Nov. 5	CF	...	$61\ 37\ 24\cdot24$
Apr. 1	IF	$23\cdot61$	...			$7\ 37\ 14\cdot27$	$61\ 37\ 24\cdot24$
2	B	$23\cdot54$...				
6	IF	$23\cdot49$...				
17	IF	$23\cdot44$...				
23	B	$23\cdot64$...				
July 10	G	$23\cdot49$...				
Aug. 9	G	$23\cdot51$...				
10	G	$23\cdot30$...				
		$7\ 32\ 23\cdot47$	$84\ 26$				

262 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2561.				B. A. C. 2599.			
Mar. 25	IF	^{h m s} 7 38 22.12	^{° ' "} 125 44 14.76	Mar. 18	IF	^{h m s} 7 43 28.91	^{° ' "} 114 35 1.19
Apr. 17	IF	22.09	14.78	B. A. C. 2601.			
		7 38 22.11	125 44 14.77	Mar. 4	B	7 43 43.33	106 53 38.61
B. A. O. 2565.				B. A. C. 2623.			
Mar. 6	IF	7 39 1.23	114 21 29.55	Jan. 30	B	7 45 30.36	146 8 (21.67)
B. A. C. 2568.				Feb. 13	JS	30.20	24.28
Feb. 5	IF	7 39 2.20	127 53 13.94	28	JS	30.37	25.73
Mar. 11	IF	2.34	14.86	Apr. 17	IF	30.41	28.39
		7 39 2.27	127 53 14.40			7 45 30.34	146 8 26.13
B. A. C. 2569 (1st Star).				B. A. C. 2619.			
Feb. 17	B	7 39 24	104 22 1.73	Feb. 5	IF	7 45 30.49	102 28 61.26
B. A. C. 2569 (2nd Star).				Apr. 2	B	30.48	58.98
Feb. 14	CF	7 39 24.83	104 22 17.58			7 45 30.49	102 29 0.12
17	B	...	18.15	B. A. C. 2622.			
		7 39 24.83	104 22 17.87	Feb. 14	CF	7 45 39.46	103 32 57.46
B. A. C. 2575.				17	B	39.55	57.69
Apr. 6	IF	7 39 52.00	127 37 35.09			7 45 39.51	103 32 57.58
B. A. C. 2593.				B. A. C. 2626.			
Feb. 19	IF	7 42 0.27	129 44 10.19	Jan. 30	B	...	146 4 40.22
21	IF	0.29	9.88	Mar. 5	JS	7 46 16.53	39.56
		7 42 0.28	129 44 10.04			7 46 16.53	146 4 39.89

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2627.				B. A. C. 2661.			
Mar. 25	IF	$\begin{smallmatrix} h & m & s \\ 7 & 46 & 30\cdot85 \end{smallmatrix}$	$134^{\circ} 14' 42''\cdot00$	Feb. 5	IF	$\begin{smallmatrix} h & m & s \\ 7 & 53 & 0\cdot99 \end{smallmatrix}$	$133^{\circ} 45' 22''\cdot64$
				28	JS	$0\cdot94$	$22\cdot53$
B. A. C. 2634.						$7\ 53\ 0\cdot97$	$133\ 45\ 22\cdot59$
Mar. 11	IF	$7\ 47\ 40\cdot74$	$130\ 14\ 12\cdot16$	B. A. C. 2668.			
Apr. 6	IF	$40\cdot76$	$11\cdot52$	Apr. 2	B	$7\ 54\ 30\cdot57$	$91\ 1\ 41\cdot60$
		$7\ 47\ 40\cdot75$	$130\ 14\ 11\cdot84$	B. A. C. 2671.			
B. A. C. 2637.				Apr. 17	IF	$7\ 54\ 48\cdot84$	$128\ 56\ 10\cdot38$
Mar. 6	IF	$7\ 48\ 12\cdot40$	$126\ 1\ 20\cdot98$	B. A. C. 2685.			
1 Cancri.				Mar. 11	IF	$7\ 56\ 47\cdot64$	$126\ 55\ 6\cdot38$
Dec. 2	IF	$7\ 49\ 29\cdot74$	$73\ 51\ 34\cdot57$	Apr. 6	IF	$47\cdot65$	$6\cdot50$
B. A. C. 2651.						$7\ 56\ 47\cdot65$	$126\ 55\ 6\cdot44$
Feb. 19	IF	$7\ 51\ 6\cdot95$	$119\ 56\ 1\cdot10$	B. A. C. 2709.			
21	IF	$7\cdot08$	$1\cdot89$	Feb. 13	JS	$7\ 58\ 26\cdot68$	$145\ 5\ 12\cdot54$
		$7\ 51\ 7\cdot02$	$119\ 56\ 1\cdot50$	B. A. C. 2708.			
B. A. C. 2652.				Feb. 5	IF	$7\ 58\ 49\cdot85$	$109\ 21\ 20\cdot09$
Mar. 18	IF	$7\ 51\ 10\cdot96$	$112\ 31\ 45\cdot22$	Mar. 18	IF	$49\cdot88$	$18\cdot99$
B. A. C. 2656.						$7\ 58\ 49\cdot87$	$109\ 21\ 19\cdot54$
Jan. 30	B	$7\ 52\ 9\cdot17$	$146\ 57\ 13\cdot81$	B. A. C. 2717.			
Feb. 13	JS	$8\cdot97$	$16\cdot05$	Feb. 6	B	$7\ 59\ 57\cdot97$	$123\ 13\ 2\cdot44$
		$7\ 52\ 9\cdot07$	$146\ 57\ 14\cdot93$	Mar. 27	JS	$58\cdot11$	$2\cdot68$
						$7\ 59\ 58\cdot04$	$123\ 13\ 2\cdot56$

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
μ^2 Cancri.				B. A. C. 2752.			
Jan. 9	IF	$\begin{smallmatrix} h & m & s \\ 7 & 59 & 59 \cdot 42 \end{smallmatrix}$	$68^\circ 2' 13'' \cdot 26$	Feb. 13	JS	$\begin{smallmatrix} h & m & s \\ 8 & 5 & 13 \cdot 41 \end{smallmatrix}$	$138^\circ 17' 47'' \cdot 87$
Mar. 4	B	59'71	10'49	Mar. 27	JS	13'38	48'23
5	JS	59'44	13'44	31	JS	13'50	47'87
Dec. 2	IF	59'71	15'88			8 5 13'43	138 17 47'99
		7 59 59'57	68 2 13'27	B. A. C. 2758.			
B. A. C. 2719.				Mar. 6	IF	8 6 9'31	126 54 3'79
Feb. 6	B	...	123 11 37'90	11	IF	9'14	4'51
Mar. 27	JS	...	34'08	Apr. 6	IF	9'23	4'35
		8 0 40	123 11 35'99			8 6 9'23	126 54 4'22
B. A. C. 2723.				B. A. C. 2762.			
Mar. 25	IF	8 1 28'48	110 10 28'22	Feb. 19	IF	8 6 38'49	129 13 34'10
B. A. C. 2725.				21	IF	38'47	32'97
Apr. 2	B	8 1 57'65	92 36 2'07	Mar. 18	IF	38'49	33'12
B. A. C. 2739.						8 6 38'48	129 13 33'40
Apr. 17	IF	8 3 26'18	105 51 48'65	B. A. C. 2772.			
ζ Caucri.				Feb. 5	IF	8 7 32'93	126 35 40'94
Jan. 9	IF	8 4 38'26	71 57 21'84	B. A. C. 2779.			
10	CF	38'35	23'07	Feb. 28	JS	8 9 11'22	143 45 0'28
Mar. 4	B	38'45	22'73	B. A. C. 2780.			
5	JS	38'38	22'69	Mar. 25	IF	8 9 21'75	129 56 45'43
		8 4 38'36	71 57 22'58				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2785.				B. A. C. 2825.			
Apr. 2	B	^{h m s} 8 11 20.02	105° 52' 39".68	Apr. 2	B	^{h m s} 8 19 3.90	93° 28' 38".31
17	IF	19.97	42.16	B. A. C. 2827.			
		8 11 20.00	105 52 40.92	B. A. C. 2828.			
B. A. C. 2797.				Feb. 6	B	8 19 21.46	113 37 8.66
Mar. 6	IF	8 15 2.04	137 47 3.59	Apr. 17	IF	21.57	9.70
31	JS	2.06	2.85			8 19 21.52	113 37 9.18
Apr. 6	IF	1.87	2.30	B. A. C. 2843.			
		8 15 1.99	137 47 2.91	Apr. 6	IF	8 21 58.07	121 14 19.36
A Octantis S.P.				B. A. C. 2858.			
Apr. 28	B	8 15 11.84	178 29	Feb. 28	JS	8 24 3.33	144 34 27.78
B. A. C. 2808.				Mar. 18	IF	3.24	29.53
Feb. 28	JS	8 16 17.07	141 31 37.92	31	JS	3.14	28.36
Mar. 27	JS	16.93	35.65			8 24 3.24	144 34 28.56
		8 16 17.00	141 31 36.79	η Cancri.			
B. A. C. 2811.				Jan. 10	CF	8 25 4.40	...
Feb. 19	IF	8 17 15.11	115 55 35.52	Feb. 6	B	...	69 6 44.67
21	IF	15.26	35.36	7	JS	...	44.68
Mar. 25	IF	15.28	35.49	Mar. 6	IF	4.41	...
		8 17 15.22	115 55 35.46	Apr. 6	IF	4.31	...
B. A. C. 2820.				29	B	...	43.37
Feb. 5	IF	8 18 24.12	127 51 42.10			8 25 4.37	69 6 44.24

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
Piazz VIII. 94.				B. A. C. 2933.			
Feb. 19	IF	^{h m s} 8 25 27.51	109° 3' 39".74	Apr. 6	IF	^{h m s} 8 34 18.98	126° 8' 36".13
21	IF	27.54	40.73	γ Cancri.			
26	B	27.48	39.63				
		8 25 27.51	109 3 40.03	Apr. 29	B	8 35 39	68 3 30.71
B. A. C. 2910.				δ Cancri.			
Apr. 17	IF	8 31 26.03	115 57 25.56				
B. A. C. 2915.				Feb. 6	B	8 37 10.69	71 21 46.96
Feb. 28	JS	8 31 55.63	140 30 44.94	7	JS	10.87	44.50
Mar. 27	JS	55.41	44.97	Mar. 5	JS	10.84	44.58
31	JS	55.59	45.70	6	IF	10.77	43.23
		8 31 55.54	140 30 45.20	Apr. 1	IF	11.00	44.47
B. A. C. 2916.				2	B	10.93	43.59
Mar. 18	IF	8 32 13.87	115 47 37.12	Nov. 5	CF	...	46.83
25	IF	13.88	39.01			8 37 10.85	71 21 44.88
		8 32 13.88	115 47 38.07	ϵ Hydræ.			
B. A. C. 2929.							
Feb. 20	B	8 33 46.39	102 0 (44.02)	Feb. 21	IF	8 39 47.06	...
26	B	46.20	37.48	Apr. 6	IF	47.03	...
Mar. 4	B	46.34	38.31	May 13	IF	47.14	...
Apr. 2	B	46.15	36.06			8 39 47.08	83 6
		8 33 46.27	102 0 37.28	B. A. C. 2975.			
B. A. C. 2932.							
Feb. 19	IF	8 34 13.75	119 5 32.78	Feb. 20	B	8 40 8.40	103 3 58.42
				Mar. 18	IF	8.44	60.22
						8 40 8.42	103 3 59.32

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 2987.				α Cancri—continued.			
Feb. 26	B	^{h m s} ...	92° 57' 15'' 47	Apr. 1	IF	^{h m s} 8 51 16' 10	77° 37' 58'' 11
Mar. 4	B	8 42 43' 65	17' 44	2	B	15' 98	56' 63
		8 42 43' 65	92 57 16' 46	29	B	...	56' 53
B. A. C. 3010.				Dec. 4	CF	15' 89	57' 35
Apr. 6	IF	8 44 55' 78	117 13 17' 08			8 51 15' 99	77 37 57' 38
B. A. C. 3011.				B. A. C. 3065.			
Feb. 20	B	8 45 5' 29	96 41 3' 01	Feb. 20	B	8 52 32' 15	105 37 49' 04
B. A. C. 3036.				B. A. C. 3070.			
Feb. 28	JS	8 48 14' 57	147 8 13' 85	Apr. 6	IF	8 53 39' 60	118 17 41' 49
Mar. 27	JS	14' 30	14' 19	B. A. C. 3096.			
31	JS	14' 43	14' 34	Mar. 4	B	8 57 22' 12	114 59 0' 62
		8 48 14' 43	147 8 14' 13	27	JS	21' 96	1' 49
B. A. C. 3037.				31	JS	21' 96	1' 18
Feb. 26	B	8 49 1	97 27 58' 66			8 57 22' 01	114 59 1' 10
B. A. C. 3039.				α Cancri.			
Feb. 26	B	...	97 28 2' 49	Apr. 29	B	...	78 48 7' 91
Mar. 4	B	...	3' 62	30	CF	9 0 35' 55	6' 86
		8 49 1	97 28 3' 06	Dec. 4	CF	35' 77	6' 20
α Cancri.						9 0 35' 66	78 48 6' 99
Jan. 10	CF	8 51 15' 97	77 37 56' 41	B. A. C. 3120.			
Mar. 5	JS	15' 96	59' 39	Feb. 4	CF	9 2 14' 52	98 3 24' 16
6	IF	16' 03	57' 21	20	B	14' 67	23' 81
				26	B	14' 64	23' 10
						9 2 14' 61	98 3 23' 69

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3121.				83 Cancri.			
Mar. 25	IF	^{h m s} 9 2 15.23	115° 19' 37".98	Jan. 10	CF	^{h m s} 9 11 36.54	71° 44' 13".45
Apr. 1	IF	15.26	36.90	Mar. 6	IF	36.53	...
6	IF	15.23	36.14	Apr. 30	CF	...	10.14
		9 2 15.24	115 19 37.01	Dec. 4	CF	36.67	11.67
B. A. C. 3127.						9 11 36.58	71 44 11.75
Apr. 17	IF	9 3 58.00	115 16 5.76	8 Argûs.			
B. A. C. 3137.				Oct. 15	G	9 11 44.16	159 10 23.85
Mar. 4	B	9 5 54.90	96 34 12.30	Nov. 3	G	43.82	...
B. A. C. 3156.				4	G	44.08	...
Apr. 1	IF	9 9 29.04	132 40 53.43	5	CF	...	24.79
B. A. C. 3160.				6	IF	44.56	23.94
Feb. 4	CF	9 10 8.47	95 48 12.58	13	IF	44.58	23.05
B. A. C. 3161.				16	CF	44.25	24.41
Feb. 26	B	9 10 13.37	98 12	17	G	44.12	...
B. A. C. 3167.				18	IF	44.50	24.04
Mar. 5	JS	9 10 23.11	145 1 24.11			9 11 44.26	159 10 24.01
27	JS	22.93	25.24	8 Argûs S.P.			
		9 10 23.02	145 1 24.68	Nov. 6	IF	...	159 10 27.08
B. A. C. 3165.				13	IF	...	26.10
Apr. 6	IF	9 10 28.08	126 51 48.16	24	CF	...	27.31
B. A. C. 3184.						9 11 44	159 10 26.83
Apr. 2	B	9 13 24.97	101 25 8.01	B. A. C. 3188.			
B. A. C. 3188.				Mar. 4	B	9 14 2.18	98 59 50.94

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ζ Octantis.				B. A. C. 3253.			
May 15 18	B	^{h m s} 9 15 18.81	175° 7' 48".04	Feb. 4	CF	^{h m s} 9 25 15.09	90° 36' 10".61
	JS	...	49.31				
			9 15 18.81	175 7 48.68		B. A. C. 3257.	
B. A. C. 3208.				Apr. 17	IF	9 25 30.19	129 53 24.09
Apr. 1 6	IF	9 17 35.04	135 29 6.28	B. A. C. 3262.			
	IF	34.90	5.52	Mar. 18 31	IF	9 25 53.55	121 17 26.24
		9 17 34.97	135 29 5.90		JS	53.49	27.87
B. A. C. 3210.					IF	53.64	28.44
Mar. 31	JS	9 17 48.85	144 57 17.23			9 25 53.56	121 17 27.52
α Hydræ.				B. A. C. 3266.			
Mar. 5	JS	9 21 5.97	...	May 1	JS	9 26 31.53	161 12 17.41
6	IF	6.02	...	B. A. C. 3271.			
20	CF	6.15	...	Mar. 20	CF	9 27 57.57	95 19 35.51
Apr. 29	IF	6.04	...		B	57.52	35.46
May 13	IF	6.11	...		IF	57.48	37.92
		9 21 6.06	98 5	May 5	IF	57.45	36.69
B. A. C. 3237.						9 27 57.51	95 19 36.40
Mar. 4	B	9 22 26.93	92 11 36.65	B. A. C. 3291.			
Apr. 2	B	26.98	34.69	Mar. 27	JS	9 30 35.86	162 29 46.66
		9 22 26.96	92 11 35.67				
B. A. C. 3248.				B. A. C. 3293.			
Apr. 6	IF	9 24 3	116 0 45.40	May 13	IF	9 31 23.26	98 49 (44.14)

270 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3303.				ε Leonis.			
Apr. 6	IF	^{h m s} 9 33 6.93	90° 32' 41".09	Apr. 3	CF	^{h m s} 9 38 21.14	° ... "
				29	IF	21.20	...
B. A. C. 3311.						9 38 21.17	65 37
Mar. 20	CF	9 33 58.80	103 44 2.99	B. A. C. 3340.			
31	JS	58.73	4.78	May 13	IF	9 39 33.66	119 35 46.70
		9 33 58.77	103 44 3.89	B. A. C. 3349.			
ο Leonis.				Mar. 20	CF	9 41 39.36	96 38 1.66
Feb. 7	JS	9 34 6.27	79 30 30.74	Apr. 6	IF	39.23	4.13
Apr. 2	B	6.24	28.80	16	B	39.24	0.40
3	CF	6.27	30.78			9 41 39.28	96 38 2.06
		9 34 6.26	79 30 30.11	B. A. C. 3369.			
B. A. C. 3322.				May 1	JS	9 44 19.83	145 47 53.37
May 1	JS	9 35 57.84	156 15 47.20	B. A. C. 3372.			
B. A. C. 3326.				Apr. 17	IF	9 45 7.79	104 13 43.48
Apr. 17	IF	9 36 38.73	147 23 3.02	B. A. C. 3378.			
B. A. C. 3334.				Mar. 20	CF	9 45 58.52	97 29 1.58
Mar. 27	JS	...	170 20 48.70	23	B	58.52	3.94
Apr. 8	JS	...	48.78	May 5	IF	58.44	3.77
		9 37 40	170 20 48.74			9 45 58.49	97 29 3.10
B. A. C. 3332.				B. A. C. 3385.			
May 5	IF	9 38 19.05	117 9 59.47	May 13	IF	9 47 3.36	116 42 56.25

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3403.				B. A. C. 3444.			
Mar. 23	B	^{h m s} 9 50 25.18	120° 27' 53".23	Mar. 23	B	^{h m s} 9 58 41.98	102° 25' 31".28
Apr. 16	B	25.11	55.20	Apr. 16	B	41.85	31.39
		9 50 25.15	120 27 54.22			9 58 41.92	102 25 31.34
ν Leonis.				A Leonis.			
Jan. 12	G	9 51 7.13	76 55 36.76	Mar. 6	IF	10 0 53.87	79 21 22.03
Feb. 7	JS	7.31	35.38	Apr. 30	CF	53.81	23.26
Mar. 6	IF	7.27	35.98	May 1	JS	53.94	24.43
Apr. 2	B	7.11	34.94			10 0 53.87	79 21 23.24
3	CF	7.28	35.33				
		9 51 7.22	76 55 35.68	B. A. C. 3461.			
B. A. C. 3417.				Mar. 25	IF	10 0 57.69	136 43 32.34
Apr. 17	IF	9 53 12.56	125 15 35.95	α Leonis.			
π Leonis.				Jan. 12	G	10 1 20.40	77 23 19.23
Jan. 12	G	9 53 14.10	...	Apr. 6	IF	20.48	...
Apr. 6	IF	14.17	...	May 13	IF	20.42	...
		9 53 14.14	81 19	28	JS	...	18.71
B. A. C. 3424.				July 7	G	20.67	...
May 1	JS	9 55 2.45	151 41 9.02	Dec. 4	CF	20.47	18.27
5	IF	2.45	9.38			10 1 20.49	77 23 18.74
		9 55 2.45	151 41 9.20	C. G. A. 13804.			
B. A. C. 3428.				Apr. 8	JS	10 1 32.79	150 31 48.51
Mar. 20	CF	9 56 9.30	102 39 40.95	B. A. C. 3467.			
May 13	IF	9.16	41.02	Mar. 27	JS	10 2 49.58	150 34 10.25
		9 56 9.23	102 39 40.99				

272 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3470.				γ^1 Leonis.			
Feb. 4	CF	^{h m s} 10 3 34'09	^{° ' "} 97 45 38'35	Apr. 3	CF	^{h m s} 10 12 41'49	^{° ' "}
Mar. 20	CF	34'08	38'43	28	B	41'56	...
Apr. 17	IF	34'09	37'93	30	CF	41'45	69 29 31'08
		10 3 34'09	97 45 38'24	May 28	JS	41'59	...
						10 12 41'52	69 29 31'08
B. A. C. 3476.				B. A. C. 3541.			
Mar. 23	B	10 4 42'23	96 40 0'48	Mar. 27	JS	10 14 59'59	154 0 50'83
B. A. C. 3494.				May 1	JS	59'72	50'55
May 13	IF	10 7 34'94	122 22 51'74			10 14 59'66	154 0 50'69
B. A. C. 3497.				B. A. C. 3553.			
Apr. 29	IF	10 8 9'01	129 41 34'44	Apr. 29	IF	10 16 51'58	92 58 34'62
B. A. C. 3504.				B. A. C. 3563.			
Apr. 8	JS	10 8 37'87	145 55 58'80	Mar. 20	CF	10 19 8'52	96 23 40'97
B. A. C. 3517.				Apr. 28	B	8'58	41'15
Feb. 4	CF	10 11 4'25	97 24 37'23			10 19 8'55	96 23 41'06
Mar. 20	CF	4'26	35'83	B. A. C. 3566.			
Apr. 16	B	...	35'72	Apr. 17	IF	10 19 40'56	95 45 23'76
17	IF	4'32	38'74	B. A. C. 3570.			
May 5	IF	4'27	38'64	May 5	IF	10 19 52'51	90 19 4'11
		10 11 4'28	97 24 37'23	B. A. C. 3582.			
B. A. C. 3521.				Mar. 23	B	10 22 2'59	93 4 3'36
Mar. 23	B	10 12 4'79	118 19 57'47				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3595.				B. A. C. 3632.			
Apr. 8	JS	^{h m s} 10 23 5 ^h 75	146° 31' 29'' 58	Mar. 23	B	^{h m s} 10 29 50'06	105° 39' 41'' 41
B. A. C. 3603.				B. A. C. 3637.			
Apr. 1	IF	...	96 57 39'43	May 13	IF	10 31 2'19	102 41 56'66
May 13	IF	10 24 22'28	40'72	B. A. C. 3646.			
		10 24 22'28	96 57 40'08	Mar. 20	CF	10 32 9'06	106 11 28'03
ρ Leonis.				Apr. 28	B	8'98	32'28
Jan. 12	G	10 25 51'62	...			10 32 9'02	106 4 30'16
Feb. 9	JS	...	80 0 53'35	B. A. C. 3651.			
Mar. 23	B	51'70	...	Apr. 1	IF	10 32 54'91	146 34 12'29
Apr. 3	CF	51'55	51'65	8	JS	54'96	13'55
4	JS	...	53'99			10 32 54'94	146 34 12'92
30	CF	...	52'69	B. A. C. 3656.			
May 1	JS	...	54'35	Mar. 27	JS	10 33 45'77	154 21 20'52
		10 25 51'62	80 0 53'21	B. A. C. 3663.			
B. A. C. 3611.				May 5	IF	10 34 41'18	91 2 55'24
Mar. 20	CF	10 26 15'91	106 16 36'65	B. A. C. 3674.			
Apr. 29	IF	16'07	36'41	Mar. 23	B	10 36 32'68	112 51 30'78
		10 26 15'99	106 16 36'53	B. A. C. 3677.			
B. A. C. 3627.				Apr. 17	IF	10 36 36'14	122 1 34'10
Apr. 17	IF	10 28 41'02	112 29 46'44				
May 5	IF	40'67	46'01				
		10 28 40'85	112 29 46'23				

274 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>η Argūs.</i>				B. A. C. 3722.			
Apr. 29	IF	^{h m s} ...	148° 59' 27" 64	Apr. 17	IF	^{h m s} 10 44 38·65	107° 37' 59" 29
30	CF	10 39 56·99	25·64	B. A. C. 3731.			
May 2	G	56·68	25·09	B. A. C. 3732.			
4	JS	...	25·64	Mar. 27	JS	10 46 29·94	144 26 16·74
5	IF	56·73	26·99	B. A. C. 3740.			
28	JS	56·62	26·68	Apr. 1	IF	10 48 8·29	148 9 8·87
June 8	B	56·81	28·34	8	JS	8·29	8·76
9	IF	56·90	26·47	30	CF	8·32	7·73
11	JS	56·80	26·52			10 48 8·30	148 9 8·45
		10 39 56·79	148 59 26·56	B. A. C. 3746.			
B. A. C. 3697.				May 5	IF	10 48 11·18	165 10 54·29
Apr. 23	B	10 40 24·10	106 36 2·15	B. A. C. 3745.			
May 13	IF	24·21	5·33	May 13	IF	10 48 31·21	128 3 6·64
		10 40 24·16	106 36 3·74	27	IF	31·35	6·20
B. A. C. 3703.						10 48 31·28	128 3 6·42
Apr. 1	IF	10 41 12·98	149 54 27·56	B. A. C. 3766.			
<i>ι Leonis.</i>				Mar. 23	B	10 53 20·78	107 35 46·56
Jan. 12	G	10 42 19·07	...				
Feb. 9	JS	...	78 45 24·60				
Mar. 9	B	19·15	...				
20	CF	18·92	...				
Apr. 3	CF	19·02	22·46				
4	JS	...	26·03				
		10 42 19·04	78 45 24·36				
B. A. C. 3718.							
Mar. 23	B	10 43 41	98 11 52·44				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>ε Leonis.</i>				<i>χ Leonis—continued.</i>			
Mar. 8	G	^{h m s} 10 53 54.30	83° 11' 22".47	May 1	JS	^{h m s}	81° 57' 1".72
May 28	JS	54.23	23.11	2	G	...	2.20
		10 53 54.27	83 11 22.79	27	IF	10 58 12.47	...
B. A. C. 3771.				28	JS	...	3.47
Apr. 30	CF	10 53 55.70	150 36 46.90	June 11	JS	12.39	...
B. A. C. 3775.						10 58 12.47	81 57 2.58
Mar. 9	B	10 55 5.56	91 46 26.90	B. A. C. 3805.			
Apr. 23	B	5.68	26.24	Apr. 30	CF	11 1 8.14	151 42 39.96
		10 55 5.62	91 46 26.57	B. A. C. 3807.			
B. A. C. 3783.				Mar. 9	B	11 1 32.47	91 11 16.82
Apr. 1	IF	10 56 58.89	121 14 59.32	Apr. 29	IF	32.42	19.33
B. A. C. 3786.						11 1 32.45	91 11 18.08
May 5	IF	10 57 34.26	90 34 1.25	B. A. C. 3816.			
13	IF	34.21	1.30	Apr. 23	B	11 2 29.35	90 37 4.87
		10 57 34.24	90 34 1.28	B. A. C. 3826.			
<i>χ Leonis.</i>				Mar. 23	B	11 5 10.08	112 6 20.11
Jan. 12	G	10 58 12.48	81 57 4.05	Apr. 1	IF	10.02	19.10
Mar. 8	G	12.52	1.48	May 27	IF	10.12	18.26
9	B	12.47	...			11 5 10.07	112 6 19.16
20	CF	12.42	...	B. A. C. 3828.			
23	B	12.47	...	May 5	IF	11 5 31.89	116 5 24.09
Apr. 3	CF	12.56	...	13	IF	31.81	23.81
						11 5 31.85	116 5 23.95

276 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3835.				δ Hydræ—continued.			
Apr. 30	CF	^{h m s} 11 6 56.86	149 35 59.53	June 2	B	^{h m s} 11 12 44.63	° ' "
δ Leonis.				3	IF	44.59	...
Jan. 12	G	11 7 5.10	...	8	B	44.54	...
Mar. 8	G	5.11	...	15	IF	44.59	...
20	CF	5.04	...				
Apr. 3	CF	5.04	...	B. A. C. 3860.			
		11 7 5.07	68 45	Apr. 30	CF	11 13 45.80	153 51 42.78
C. G. A. 15414.				May 5	IF	45.75	43.36
Apr. 29	IF	11 9 27.88	92 45 10.44			11 13 45.78	153 51 43.07
B. A. C. 3848.				σ Leonis.			
Mar. 9	B	11 9 56.96	92 55 47.16	Jan. 12	G	11 14 19.75	83 14 51.09
Apr. 23	B	57.14	48.13	May 1	JS	19.76	51.06
		11 9 57.05	92 55 47.65	2	G	19.75	50.66
B. A. C. 3855.						11 14 19.75	83 14 50.94
May 27	IF	11 11 32.31	94 20 26.93	B. A. C. 3874.			
δ Hydræ.				Mar. 23	B	11 16 49.26	108 3 15.59
Jan. 12	G	11 12 44.51	...	May 13	IF	49.13	17.28
Mar. 8	G	44.52	...			11 16 49.20	108 3 16.44
23	B	44.71	...	Lalande 21695.			
Apr. 3	CF	44.60	...	Apr. 29	IF	11 16 55.44	106 53 47.47
				B. A. C. 3881.			
				Mar. 9	B	11 17 56.62	100 8 5.62
				June 3	IF	56.71	8.07
						11 17 56.67	100 8 6.85

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3883.				B. A. C. 3925.			
May 15	B	^{h m s} 11 18 17.44	106° 57' 32".26	Mar. 9	B	^{h m s} 11 26 4.95	97° 5' 54".92
27	IF	17.27	32.53	May 27	IF	5.08	56.78
June 2	B	17.51	32.92	June 2	B	5.08	54.73
8	B	17.33	30.67	8	B	5.06	54.97
		11 18 17.39	106 57 32.10			11 26 5.04	97 5 55.35
B. A. C. 3890.				B. A. C. 3926.			
June 9	IF	11 19 5.75	125 20 19.60	May 15	B	11 26 22.68	120 21 29.12
B. A. C. 3899.				June 9	IF	22.74	30.71
Mar. 27	JS	11 20 39.74	150 23 19.92			11 26 22.71	120 21 29.92
Apr. 30	CF	39.76	20.05	B. A. C. 3943.			
May 1	JS	39.89	20.37	Jan. 31	CF	11 29 59.27	99 4 18.35
4	JS	39.85	19.81	Mar. 23	B	59.41	19.98
		11 20 39.81	150 23 20.04	Apr. 2	B	59.25	19.51
B. A. C. 3903.						11 29 59.31	99 4 19.28
May 5	IF	11 21 18.21	90 10 15.05	v Leonis.			
B. A. C. 3916.				Mar. 9	B	11 30 11.44	...
Mar. 23	B	11 23 34.16	92 16 28.90	May 7	CF	11.53	90 5 41.09
Apr. 2	B	34.18	29.95	June 2	B	11.42	...
28	B	34.25	31.10	3	IF	11.44	...
		11 23 34.20	92 16 29.98	8	B	11.43	...
B. A. C. 3920.				9	IF	11.46	...
May 13	IF	11 25 13.89	95 44 21.57	15	IF	11.46	...
June 3	IF	13.83	21.01			11 30 11.45	90 5 41.09
		11 25 13.86	95 44 21.29	B. A. C. 3955.			
				May 5	IF	11 31 39.42	91 42 20.04

278 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 3958.				♌ Virginis—continued.			
Mar. 27	JS	^{h m s} 11 31 58.12	151° 5' 45".29	Apr. 4	JS	^{h m s} 11 39 4.47	82° 43' 50".48
May 1	JS	58.16	44.71	Dec. 7	JS	...	51.87
4	JS	58.05	44.39			11 39 4.50	82 43 51.14
		11 31 58.11	151 5 44.80	B. A. C. 3984.			
B. A. C. 3969.				June 9	IF	11 39 23.53	155 59 48.67
May 13	IF	11 35 8.56	121 45 58.00	B. A. C. 3988.			
15	B	8.84	57.98	May 5	IF	11 40 13.65	129 46 54.20
27	IF	8.68	57.53	β Virginis.			
		11 35 8.69	121 45 57.84	Jan. 14	CF	11 43 49.22	87 29 27.81
B. A. C. 3975.				Feb. 9	JS	49.26	28.30
Jan. 31	OF	11 37 10.70	95 56 31.46	Mar. 8	G	49.22	29.15
Mar. 9	B	10.61	33.65	9	B	49.18	28.08
Apr. 23	B	10.73	33.43	Apr. 4	JS	49.21	29.48
30	OF	10.66	32.72	May 2	G	49.29	28.78
May 7	OF	10.81	33.56			11 43 49.23	87 29 28.60
		11 37 10.70	95 56 32.96	B. A. C. 4003.			
B. A. C. 3978.				May 13	IF	11 43 57.05	116 32 38.17
Mar. 23	B	11 38 4.35	107 36 58.10	27	IF	57.17	37.95
Apr. 2	B	4.51	58.17	June 3	IF	57.30	38.48
June 2	B	4.54	59.57			11 43 57.17	116 32 38.20
3	IF	4.57	59.96	B. A. C. 4006.			
8	B	4.34	60.24	Jan. 31	CF	11 44 17.42	94 35 56.02
		11 38 4.46	107 36 59.21				
♌ Virginis.							
Feb. 9	JS	11 39 4.53	82 43 51.06				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4006— <i>continued</i> .				B. A. C. 4037.			
Apr. 2	B	^{h m s} 11 44 17.45	94° 35' 55".89	June 3	IF	^{h m s} 11 50 21.72	122° 34' 49".31
23	B	17.47	55.67	B. A. C. 4042.			
30	CF	17.21	55.29				
June 2	B	17.41	55.79	Apr. 28	B	11 52 10.77	115 10 22.71
8	B	17.42	56.04	May 13	IF	10.50	23.04
		11 44 17.40	94 35 55.78	27	IF	10.74	23.55
B. A. C. 4011.						11 52 10.67	115 10 23.10
Mar. 27	JS	11 45 24.72	154 28 16.12	B. A. C. 4048.			
Apr. 8	JS	24.97	15.89	Jan. 23	B	11 53 6.50	167 29 11.65
		11 45 24.85	154 28 16.01	Apr. 8	JS	6.45	10.33
B. A. C. 4020.						11 53 6.48	167 29 10.99
May 7	CF	11 47 7.30	93 2 26.26	C. Z. XI. 3666.			
June 9	IF	7.17	25.20	Jan. 23	B	11 53 16	167 27 40.03
		11 47 7.24	93 2 25.73	B. A. C. 4051.			
B. A. C. 4024.				Jan. 23	B	...	167 27 27.93
Apr. 29	IF	11 47 59.56	114 58 55.35	Apr. 8	JS	11 53 32.68	26.39
May 15	B	59.70	54.39	May 4	JS	32.40	26.68
		11 47 59.63	114 58 54.87			11 53 32.54	167 27 27.00
B. A. C. 4025.				π Virginia.			
May 5	IF	11 48 5.32	90 42 19.62	Dec. 7	JS	11 54 6.37	82 38 58.00
B. A. C. 4035.				B. A. C. 4053.			
Apr. 30	CF	11 49 17.37	106 24 54.73	May 7	CF	11 54 6.50	108 55 25.97

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4053— <i>continued.</i>				B. A. C. 4090.			
June 2	B	^h 11 ^m 54 ^s 6.30	108° 55' 26".63	Apr. 28	B	^h 12 ^m 1 ^s 36.59	113° 59' 31".75
3	IF	6.43	27.26	June 2	B	36.39	31.56
8	B	6.28	25.85	8	B	36.64	32.04
		11 54 6.38	108 55 26.43			12 1 36.54	113 59 31.78
B. A. C. 4054.				Lacaille 5041.			
Jan. 31	CF	11 54 16.53	91 1 48.34	Apr. 29	IF	12 2 45.20	141 24 31.11
Mar. 9	B	16.26	48.34	ε Corvi.			
Apr. 2	B	16.32	46.25	Jan. 14	CF	12 3 20.36	...
30	CF	16.42	47.60	23	B	20.28	...
		11 54 16.38	91 1 47.63	24	CF	20.40	...
B. A. C. 4063.				31	CF	20.35	...
Apr. 23	B	11 56 50.48	94 44 36.35	Mar. 8	G	20.29	...
29	IF	50.34	38.62	Apr. 30	CF	...	111 53 4.74
May 15	B	50.52	36.86	May 7	CF	20.44	...
		11 56 50.45	94 44 37.28	13	IF	20.30	...
B. A. C. 4077.				June 15	IF	20.38	...
Apr. 30	CF	11 59 14.42	92 23 41.39			12 3 20.35	111 53 4.74
May 27	IF	14.33	44.78	B. A. C. 4101.			
June 3	IF	14.35	44.89	Mar. 9	B	12 4 16.19	112 51 59.24
9	IF	14.33	44.51	B. A. C. 4103.			
		11 59 14.36	92 23 43.89	Apr. 8	JS	12 4 46.03	141 38 1.02
B. A. C. 4080.				B. A. C. 4113.			
Apr. 2	B	12 0 29.23	96 1 50.54	June 3	IF	12 6 33.61	128 11 39.98
23	B	29.35	50.28	9	IF	33.58	40.01
May 13	IF	29.22	52.01			12 6 33.60	128 11 40.00
		12 0 29.27	96 1 50.94				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4119.				η Virginis—continued.			
Feb. 26	B	^{h m s} 12 7 29.85	^{° ′ ″} 94 59 8.87	Mar. 8	G	^{h m s} 12 13 9.22	^{° ′ ″} 89 55 57.89
May 7	CF	29.91	10.86	11	IF	9.16	...
		12 7 29.88	94 59 9.87	Apr. 6	IF	9.29	57.02
B. A. C. 4124.				May 7	CF	9.15	58.88
Feb. 17	B	12 9 1.28	106 48 30.21	22	CF	9.33	56.61
Apr. 2	B	1.13	29.23	27	IF	9.21	...
23	B	1.19	29.27	June 15	IF	9.23	...
May 15	B	1.27	30.63			12 13 9.23	89 55 57.52
		12 9 1.22	106 48 29.84	B. A. C. 4149.			
B. A. C. 4134.				Apr. 29	IF	12 13 20.99	111 26 29.54
June 2	B	12 11 23.04	93 13 15.37	B. A. C. 4157.			
8	B	...	16.23	May 15	B	12 14 7.03	102 49 58.40
		12 11 23.04	93 13 15.80	...			
B. A. C. 4135.				B. A. C. 4158.			
June 2	B	..	93 12 55.00	May 14	JS	12 14 15.23	149 40 16.57
8	B	12 11 23.46	57.66	B. A. C. 4198.			
9	IF	23.30	56.64	June 3	IF	12 20 58.38	105 54 3.60
		12 11 23.38	93 12 56.43	15	IF	58.38	2.91
B. A. C. 4136.						12 20 58.38	105 54 3.26
June 3	IF	12 11 45.14	98 10 6.21	B. A. C. 4200.			
η Virginis.				May 22	CF	12 21 5.29	93 53 1.70
Jan. 14	CF	12 13 9.27	89 55 57.19				

282 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4211.				B. A. C. 4247.			
Apr. 23	B	^{h m s} 12 23 2'32	105° 46' 47''04	May 27	IF	^{h m s} 12 29 59'58	95° 6' 13''66
May 27	IF	2'32	48'70	B. A. C. 4252.			
		12 23 2'32	105 46 47'87	May 1	JS	12 30 43'73	145 12 13'64
B. A. C. 4220.				4	JS	43'70	13'39
Jan. 31	CF	12 24 3'98	93 19 50'20	14	JS	43'71	12'55
B. A. C. 4221.						12 30 43'71	145 12 13'19
Jan. 30	B	12 24 18'81	148 41 36'64	Lacaille 5235.			
B. A. C. 4225.				June 29	B	12 31 40'51	179 4 23'58
Feb. 26	B	12 24 51'63	94 19 25'68	July 6	B	40'31	24'39
β Corvi.				7	G	41'83	...
Jan. 23	B	12 27 27'38	...	8	JS	43'66	...
24	CF	27'30	...			12 31 41'58	179 4 23'99
Feb. 21	IF	27'34	...	Lacaille 5235 S.P.			
Apr. 2	B	27'32	...	June 28	G	12 31 44'48	179 4 (30'88)
May 7	CF	27'49	112 39 57'46	29	B	44'36	27'82
June 2	B	27'54	...	July 7	G	42'79	...
3	IF	27'45	...			12 31 43'88	179 4 27'82
8	B	27'43	...	B. A. C. 4257.			
9	IF	27'41	...	Jan. 31	CF	12 32 26'24	97 16 5'77
July 7	G	27'41	...	Feb. 26	B	26'21	3'43
		12 27 27'41	112 39 57'46			12 32 26'23	97 16 4'60
B. A. C. 4237.				B. A. C. 4266.			
June 15	IF	12 27 37'45	90 40 46'52	June 15	IF	12 34 40'12	144 2 10'84

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ Virginis (1st Star).				B. A. C. 4279.			
Mar. 10	JS	^h 12 ^m 34 ^s 58.41	90° 43' 27".34	May 4	JS	^h 12 ^m 37 ^s 53.65	150° 15' 21".05
γ Virginis (as one mass).				B. A. C. 4294.			
Jan. 23	B	12 34 58.40	...	Jan. 31	CF	12 40 44.38	95 34 42.01
24	CF	58.30	...	Feb. 20	B	44.33	41.03
Feb. 17	B	58.46	...	26	B	44.34	41.57
20	B	58.47	...			12 40 44.35	95 34 41.54
Mar. 9	B	58.26	90 43 28.72	B. A. C. 4297.			
Apr. 6	IF	58.36	27.01	Feb. 17	B	12 41 24.52	116 52 24.33
May 15	B	58.42	...	June 2	B	24.27	24.81
June 3	IF	58.34	...	3	IF	24.36	27.33
8	B	58.41	...	8	B	...	24.41
9	IF	58.39	...	9	IF	24.46	26.39
		12 34 58.38	90 43 27.87			12 41 24.40	116 52 25.45
B. A. C. 4269.				B. A. C. 4306.			
Apr. 29	IF	12 35 8.31	96 46 26.20	May 22	CF	12 43 17.06	96 54 43.86
B. A. C. 4272.				June 15	IF	17.01	44.37
May 1	JS	12 35 17.77	138 5 14.53			12 43 17.04	96 54 44.12
B. A. C. 4273.				B. A. C. 4312.			
Jan. 30	B	12 35 21.00	145 13 17.61	Mar. 9	B	12 44 30.87	99 37 7.32
B. A. C. 4278.				10	JS	31.04	7.02
May 27	IF	12 36 58.64	117 35 56.11	May 7	OF	30.99	9.44
B. A. C. 4317.						12 44 30.97	99 37 7.93
May 27	IF	12 45 39.35	138 13 28.53				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4323.				B. A. C. 4354.			
Feb. 20	B	^h ₁₂ ^m ₄₆ ^s ₂₅ .77	92° 50' 6".36	May 1	JS	^h ₁₂ ^m ₅₃ ^s ₁₉ .84	158° 30' 59".72
B. A. C. 4330.				4	JS	19.84	59.11
Jan. 31	CF	12 47 29.62	98 49 13.82	14	JS	19.87	61.20
June 3	IF	29.42	17.04			^h ₁₂ ^m ₅₃ ^s ₁₉ .85	158 31 0.01
		12 47 29.52	98 49 15.43	B. A. C. 4358.			
B. A. C. 4333.				Mar. 9	B	12 53 48.26	92 39 27.31
Jan. 30	B	12 48 11.58	146 7 8.59	May 22	CF	48.19	25.41
B. A. C. 4343.						12 53 48.23	92 39 26.36
Apr. 29	IF	12 49 24.40	115 44 37.69	B. A. C. 4372.			
June 2	B	24.55	35.82	Feb. 17	B	12 57 6.20	...
9	IF	24.55	39.02	Mar. 10	JS	6.14	149 43 50.92
		12 49 24.50	115 44 37.51			12 57 6.17	149 43 50.92
B. A. C. 4352.				B. A. C. 4373.			
Jan. 31	CF	12 52 51.76	93 5 54.93	June 2	B	12 57 6.44	92 57 9.18
Feb. 26	B	51.66	53.29	8	B	6.30	...
May 7	CF	51.77	56.23	9	IF	6.42	8.08
		12 52 51.73	93 5 54.82			12 57 6.39	92 57 8.63
B. A. C. 4355.				B. A. C. 4382.			
May 27	IF	12 53 19.43	122 47 23.44	June 3	IF	12 59 29.16	104 12 32.84
June 3	IF	19.46	23.12	15	IF	29.16	31.69
15	IF	19.40	24.17			12 59 29.16	104 12 32.27
		12 53 19.43	122 47 23.58	B. A. C. 4381.			
May 1	JS	12 59 37.79	154 35 55.63	May 1	JS	12 59 37.79	154 35 55.63
14	JS	37.72	57.53	14	JS	37.72	57.53
		12 59 37.76	154 35 56.58			12 59 37.76	154 35 56.58

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4391.				B. A. C. 4428 (1st Star).			
Feb. 26	B	^h ^m ^s 13 0 59.27	100° 2' 0".81	Feb. 20	B	^h ^m ^s 13 6 23.66	108° 7' 29".06
B. A. C. 4396.				June 15	IF	23.73	29.72
May 27	IF	13 2 42.52	105 48 37.53			13 6 23.70	108 7 29.39
B. A. C. 4397.				B. A. C. 4428 (as one mass).			
June 2	B	13 2 50.95	99 37 25.39	June 3	IF	13 6 23.60	108 7 27.71
8	B	50.76	27.69	B. A. C. 4428 (2nd Star).			
9	IF	50.91	27.17	Feb. 20	B	13 6 24	108 7 24.02
		13 2 50.87	99 37 26.75	B. A. C. 4430.			
θ Virginis.				June 2	B	13 7 7.43	109 14 10.68
Jan. 30	B	13 3 7.12	...	8	B	7.41	9.43
31	CF	7.16	...	9	IF	7.23	9.56
Feb. 12	G	7.08	94 49 59.31			13 7 7.36	109 14 9.89
Mar. 9	B	7.04	59.45	B. A. C. 4435.			
10	JS	...	61.01	June 2	B	13 8 50.86	109 14 23.77
Apr. 29	IF	7.10	...	8	B	50.82	23.50
May 4	JS	...	60.25	9	IF	50.76	24.18
7	CF	7.00	60.80			13 8 50.81	109 14 23.82
22	CF	7.13	58.54	B. A. C. 4437.			
June 28	G	...	60.52	Apr. 29	IF	13 9 34	120 48 22.39
		13 3 7.10	94 49 59.98	B. A. C. 4441.			
B. A. C. 4412.				May 27	IF	13 10 31.28	104 50 55.47
Feb. 17	B	13 4 4.52	149 12 61.32				
May 18	JS	4.47	59.12				
		13 4 4.50	149 13 0.22				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4442.				α Virginis— <i>continued.</i>			
Feb. 26	B	^{h m s} 13 10 32.46	^{° ' "} 99 50 56.52	Feb. 12	G	^{h m s} 13 18 14.50	^{° ' "} ... "
B. A. C. 4459.				26	B	14.51	...
June 3	IF	13 13 24.17	100 36 36.07	Apr. 6	IF	14.45	100 28 17.16
B. A. C. 4461.				May 4	JS	...	15.94
Mar. 16	JS	13 14 5.36	150 16 42.71	7	CF	14.42	16.41
May 1	JS	5.45	43.19	22	CF	14.49	13.00
		13 14 5.41	150 16 42.95	27	IF	14.59	...
B. A. C. 4463.				June 2	B	14.48	...
Feb. 17	B	13 14 7.49	...	3	IF	14.55	...
Mar. 10	JS	7.71	150 17 42.92	8	B	14.40	...
16	JS	7.83	43.65	9	IF	14.44	...
May 1	JS	7.57	41.36	28	G	...	15.88
14	JS	7.79	41.30	July 14	IF	14.63	...
		13 14 7.68	150 17 42.31	15	B	14.48	...
B. A. C. 4466.				Nov. 19	CF	14.51	...
June 15	IF	13 14 24.27	108 47 46.13			13 18 14.51	100 28 15.68
B. A. C. 4471.				B. A. C. 4491.			
June 2	B	13 15 9.81	101 53 11.98	May 14	JS	13 19 49.66	148 50 39.77
α Virginis.				B. A. C. 4494.			
Jan. 14	CF	13 18 14.58	...	June 15	IF	13 20 24.95	105 17 16.89
30	B	14.59	...	B. A. C. 4505.			
31	CF	14.52	...	June 2	B	13 22 52.15	109 37 43.18
α Virginis— <i>continued.</i>				8	B	52.30	41.52
Feb. 12	G	13 18 14.50	...	9	IF	52.35	44.65
26	B	14.51	...			13 22 52.27	109 37 43.12
Apr. 6	IF	14.45	100 28 17.16	B. A. C. 4515.			
May 4	JS	...	15.94	June 3	IF	13 24 59.17	91 38 48.02
7	CF	14.42	16.41				
22	CF	14.49	13.00				
27	IF	14.59	...				
June 2	B	14.48	...				
3	IF	14.55	...				
8	B	14.40	...				
9	IF	14.44	...				
28	G	...	15.88				
July 14	IF	14.63	...				
15	B	14.48	...				
Nov. 19	CF	14.51	...				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
2 ^a Virginis.				B. A. C. 4554.			
Apr. 6	IF	^{h m s} 13 25 6.38	95° 34' 23".08	June 15	IF	^{h m s} 13 32 17.14	101° 25' 6".82
B. A. C. 4518.				B. A. C. 4560.			
Apr. 29	IF	13 25 20.50	129 17 29.75	Apr. 29	IF	13 33 58.10	102 6 44.29
B. A. C. 4523.				m Virginis.			
May 7	CF	13 26 9.45	91 44 37.98	Mar. 10	JS	13 34 41.24	98 2 8.44
June 15	IF	9.52	39.56	11	IF	41.21	7.57
		13 26 9.49	91 44 38.77	Apr. 28	B	41.23	7.85
ζ Virginis.				May 22	CF	41.30	4.17
Feb. 12	G	13 27 58.08	89 55 10.49	June 2	B	41.33	5.74
26	B	58.21	...	8	B	41.21	7.04
Mar. 11	IF	58.18	...			13 34 41.25	98 2 6.80
May 22	CF	58.20	12.19	B. A. C. 4571.			
June 2	B	58.06	...	June 9	IF	13 36 39.92	93 36 27.71
3	IF	58.11	...	B. A. C. 4569.			
8	B	58.22	...	July 6	B	13 37 9.62	151 47 12.19
9	IF	58.07	...	15	B	9.52	14.33
July 15	B	58.27	...			13 37 9.57	151 47 13.26
		13 27 58.16	89 55 11.34	B. A. C. 4574.			
B. A. C. 4533.				June 3	IF	13 37 22.70	105 30 53.06
Mar. 10	JS	13 28 16.81	151 0 42.27	B. A. C. 4585.			
May 1	JS	17.04	40.50	June 15	IF	13 38 54.41	101 45 50.50
14	JS	16.90	41.77				
		13 28 16.92	151 0 41.51				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4588.				B. A. C. 4629.			
Mar. 16	JS	^{h m s} 13 40 12.59	150° 5' 30.73	Apr. 28	B	^{h m s} 13 45 37.22	121° 16' 24.65
B. A. C. 4591.				B. A. C. 4631.			
May 22	CF	13 40 15	99 2 47.29	June 15	IF	13 45 50.29	125 0 39.55
B. A. C. 4593.				B. A. C. 4636.			
Apr. 29	IF	13 40 31.69	96 2 39.28	May 27	IF	13 46 48.66	117 54 57.16
May - 7	CF	31.80	40.29				
		13 40 31.75	96 2 39.79				
B. A. C. 4602.				B. A. C. 4645.			
Mar. 10	JS	13 41 40.64	131 48 51.47	May 22	CF	13 47 55.54	90 51 7.59
B. A. C. 4608.				η Boötis.			
June 2	B	13 42 42.11	107 28 29.81	Mar. 11	IF	13 48 24.01	70 56
8	B	42.18	29.72	B. A. C. 4654.			
9	IF	42.08	31.42	Mar. 10	JS	13 50 32.33	134 9 25.77
		13 42 42.12	107 28 30.32			16	JS	32.37	25.61
B. A. C. 4619.				May 14	JS	32.38	24.97
July 14	IF	13 43 37.05	96 56 26.25			13 50 32.36	134 9 25.45
B. A. C. 4625.				B. A. C. 4658.			
July 15	B	13 45 10.04	142 43 10.70	June 9	IF	13 51 22.34	101 24 32.59
C. G. A. 18854.				15	IF	22.29	32.59
Apr. 28	B	13 45 37	121 16 43.27	July 14	IF	22.63	32.86
						13 51 22.42	101 24 32.68

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4660.				94 Virginia.			
June 24	B	^{h m s} 13 52 33	166° 9' 24" 72	Mar. 10	JS	^{h m s} 13 59 18.59	98° 15' 37" 07
				11	IF	18.51	35.34
B. A. C. 4665.						13 59 18.55	98 15 36.21
Apr. 29	IF	13 52 59.01	92 54 18.12	B. A. C. 4695.			
May 7	CF	59.07	16.61	July 15 B 14 1 8.71 142 48 27.83			
		13 52 59.04	92 54 17.37	B. A. C. 4700.			
β Centauri.				May 26	CF	14 3 38.19	105 40 36.15
Apr. 22	IF	13 54 31.93	149 44	B. A. C. 4702.			
γ Virginia.				Apr. 28	B	14 4 3.31	101 19 36.54
Feb. 12	G	13 54 55.81	...	June 3	IF	3.17	35.57
Mar. 11	IF	55.70	...			14 4 3.24	101 19 36.06
May 26	CF	55.69	87 48 55.03	B. A. C. 4708.			
27	IF	55.79	...	Apr. 29	IF	14 5 12.68	116 38 19.15
		13 54 55.75	87 48 55.03	B. A. C. 4710.			
B. A. C. 4680.				May 22	CF	14 5 31.53	99 16 37.91
May 22	CF	13 57 22.11	98 37 18.50	June 15	IF	31.50	41.15
June 3	IF	22.20	19.46			14 5 31.52	99 16 39.53
9	IF	22.16	19.19	κ Virginia.			
		13 57 22.16	98 37 19.05	Feb. 12	G	14 5 51.38	99 39 28.96
B. A. C. 4682.				Apr. 7	CF	51.50	25.72
June 15	IF	13 58 2.70	105 42 6.92	8	JS	51.22	28.80
B. A. C. 4683.							
July 14	IF	13 58 5.11	104 13 15.09				

290 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
κ Virginis— <i>continued.</i>				B. A. C. 4735.			
June 1	CF	^{h m s} ...	99° 39' 26".91	Mar. 10	JS	^{h m s} 14 11 7.64	145° 46' 34".52
2	B	14 5 51.42	26.23	May 14	JS	7.60	33.26
28	G	51.43	26.89			14 11 7.62	145 46 33.89
29	B	51.65	27.73	B. A. C. 4739.			
July 25	IF	...	27.11	June 3	IF	14 11 20.54	108 6 11.12
26	IF	51.56	27.34	15	IF	20.34	12.95
		14 5 51.45	99 39 27.30			14 11 20.44	108 6 12.04
B. A. C. 4717.				B. A. C. 4740.			
June 9	IF	14 5 56.25	92 41	May 27	IF	14 11 31.81	115 13 3.42
B. A. C. 4720.				λ Virginis.			
July 14	IF	14 7 29.05	95 19 56.04	Apr. 7	CF	14 11 58.29	102 45 42.65
ι Virginis.				8	JS	58.03	44.58
Feb. 12	G	14 9 5.74	95 22 9.42	June 1	CF	...	41.07
May 26	CF	5.80	7.55	2	B	58.37	42.05
		14 9 5.77	95 22 8.49	28	G	58.25	42.76
α Boötis.				29	B	58.37	40.31
Mar. 11	IF	14 9 38.48	...	July 25	IF	...	43.08
Apr. 29	IF	38.55	...	26	IF	58.25	41.92
June 8	B	38.54	...			14 11 58.26	102 45 42.30
9	IF	38.53	...	B. A. C. 4748.			
July 15	B	38.50	...	May 22	CF	14 12 44.47	91 39 11.90
20	JS	38.55	...	B. A. C. 4750.			
Nov. 19	CF	38.43	...	Apr. 28	B	14 12 57.20	96 8 10.57
		14 9 38.51	70 8				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4762.				B. A. C. 4786.			
May 26	CF	^{h m s} 14 15 10 ⁶ 3	91° 22' 57 ⁴ 1	May 22	CF	^{h m s} 14 20 28 ⁷ 6	95° 31' 23 ¹ 13
B. A. C. 4764 (as one mass).				26	CF	28 ⁸ 5	20 ⁸ 7
July 14	IF	14 15 39 ⁶ 8	97 9 37 ⁸ 3	14 20 28 ⁸ 1			95 31 22 ⁰ 00
B. A. C. 4761.				B. A. C. 4794.			
June 24	B	14 15 46	166 7 50 ⁸ 9	June 2	B	14 21 29 ⁰ 8	99 24 37 ¹ 15
B. A. C. 4765.				B. A. C. 4799.			
June 3	IF	14 16 19 ⁶ 2	101 6 33 ⁹ 9	June 3	IF	14 23 7 ⁹ 9	93 39 24 ⁵ 9
B. A. C. 4774.				July 14	IF	8 ⁰ 7	24 ¹ 16
June 15	IF	14 17 56 ⁷ 2	131 43 6 ² 0	14 23 8 ⁰ 3			93 39 24 ³ 8
B. A. C. 4777.				B. A. C. 4802.			
Apr. 7	CF	14 18 8 ⁸ 1	102 45 16 ⁵ 2	Apr. 7	CF	14 23 38 ⁴ 7	93 28 (27 ⁰ 07)
28	B	8 ⁷ 6	14 ⁵ 0	28	B	38 ³ 32	33 ³ 33
May 27	IF	8 ⁷ 2	15 ⁷ 4	June 15	IF	38 ² 21	33 ⁹ 7
B. A. C. 4779.				14 23 38 ³ 33			93 28 33 ⁶ 5
Mar. 10	JS	14 18 42 ⁴ 5	135 32 4 ⁴ 7	B. A. C. 4807.			
16	JS	42 ³ 33	3 ³ 39	Apr. 29	IF	14 25 46 ⁶ 9	131 30 57 ⁵ 7
May 14	JS	42 ⁴ 3	3 ³ 34	z Octantis.			
14 18 42 ⁴ 0			135 32 3 ⁷ 3	July 16	G	...	177 36 4 ⁵ 7
				20	JS	14 26 34 ⁶ 1	4 ⁰ 8
				21	G	36 ¹ 17	3 ⁸ 4
				22	IF	38 ⁵ 7	3 ⁷ 3
				23	G	36 ⁰ 5	5 ⁰ 2
				26	IF	37 ⁴ 1	3 ⁴ 0
				28	G	37 ⁴ 6	...
				14 26 36 ⁷ 1			177 36 4 ¹ 11

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ Octantis S.P.				α^1 Centauri— <i>continued.</i>			
July 20	JS	^{h m s} 14 26 35.58	177° 36' 7".58	May 27	IF	^{h m s} 14 30 39.13	150° 17' 12".83
21	G	36.65	...	29	IF	...	(16.93)
22	IF	38.73	4.12	June 3	IF	39.15	14.08
23	G	35.59	...	12	CF	...	12.31
26	IF	39.27	4.20			14 30 39.09	150 17 12.70
27	G	36.08	...	B. A. C. 4837.			
28	CF	35.44	...	Apr. 7	CF	14 31 54.88	99 58 58.09
		14 26 36.76	177 36 5.30	June 2	B	54.79	56.48
B. A. C. 4815.						14 31 54.84	99 58 57.29
Mar. 10	JS	14 27 41.56	135 39 58.81	B. A. C. 4848.			
May 14	JS	41.33	59.34	Feb. 27	CF	14 34 52.86	101 40 6.84
		14 27 41.45	135 39 59.08	B. A. C. 4855.			
B. A. C. 4828.				Mar. 4	B	14 36 6.44	95 4 56.76
Mar. 4	B	14 29 58.64	101 44 32.11	B. A. C. 4856.			
α^2 Centauri.				Mar. 10	JS	14 36 59.07	146 40 32.72
May 22	CF	14 30 38.58	150 17 23.70	16	JS	58.92	32.17
26	CF	...	23.80	May 14	JS	58.85	32.26
29	IF	...	23.64			14 36 58.95	146 40 32.38
June 9	IF	(38.43)	21.65	B. A. C. 4865.			
12	OF	39.21	23.79	May 27	IF	14 38 21.81	114 52 50.02
15	IF	38.93	23.03	B. A. C. 4868.			
July 14	IF	38.50	23.20	Apr. 7	CF	14 38 41.41	104 54 5.19
		14 30 38.81	150 17 23.26				
α^1 Centauri.							
May 22	CF	...	150 17 11.01				
26	CF	14 30 38.99	13.29				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4882.				B. A. C. 4914.			
June 2	B	^{h m s} 14 40 14'55	116° 5' 28''33	July 15	B	^{h m s} 14 46 54'52	142° 16' 16''16
B. A. C. 4888.				B. A. C. 4915.			
July 14	IF	14 41 41'39	113 41 59'18	Feb. 27	CF	14 47 12'93	101 21 27'83
B. A. C. 4891.				Apr. 7	CF	13'14	28'04
June 3	IF	14 42 32'45	117 24 30'77	28	B	...	28'98
α ³ Libræ.						14 47 13'04	101 21 28'28
Jan. 16	JS	...	105 29 27'60	B. A. C. 4920.			
Mar. 11	IF	14 43 34'80	29'39	June 3	IF	14 49 13'04	115 44 56'04
12	G	34'76	29'47	B. A. C. 4925.			
Apr. 29	IF	34'75	...	July 14	IF	14 49 48'96	114 54 27'94
May 22	CF	34'73	29'79	B. A. C. 4927.			
26	CF	34'73	26'66	May 26	CF	14 50 17'52	93 48 22'16
27	IF	34'66	...	June 9	IF	17'56	25'32
June 2	B	34'82	...	12	CF	17'69	25'37
9	IF	34'76	...			14 50 17'59	93 48 24'28
12	CF	34'92	28'35	B. A. C. 4930.			
15	IF	34'76	...	July 22	IF	14 50 50'87	117 7 30'58
17	CF	...	28'24	B. A. C. 4932.			
30	G	34'83	...	Mar. 4	B	14 51 4'18	100 37 21'77
July 26	IF	...	29'64	10	JS	...	19'69
27	G	...	28'05	May 22	CF	4'17	20'53
Aug. 14	CF	34'73	26'21			14 51 4'18	100 37 20'66
		14 43 34'77	105 29 28'34	B. A. C. 4900.			
B. A. C. 4900.				Mar. 4	B	14 51 4'18	100 37 21'77
Mar. 4	B	14 44 27'07	107 48 31'84	10	JS	...	19'69
10	JS	27'21	30'10	May 22	CF	4'17	20'53
		14 44 27'14	107 48 30'97			14 51 4'18	100 37 20'66

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 4935.				B. A. C. 4970.			
Mar. 4	B	^{h m s} ...	100° 36' 40" 68	Mar. 4	B	^{h m s} 14 59 16' 03	105° 44' 33" 58
10	JS	14 51 45' 36	40° 53	10	JS	16' 09	34° 16
		14 51 45' 36	100 36 40' 61	Apr. 28	B	...	34° 54
8 Libræ.				May 26	CF	15' 97	32° 71
Feb. 27	CF	14 53 55' 42	97 59 33' 47			14 59 16' 03	105 44 33' 75
Mar. 11	IF	55' 34	34° 82	B. A. C. 4971.			
12	G	55' 38	34° 62	Feb. 27	CF	14 59 26' 97	105 58 14' 22
Apr. 7	CF	55' 29	35° 51	Apr. 7	CF	27' 11	15° 46
28	B	...	33° 57	May 22	CF	27' 00	14° 41
June 29	B	55' 58	...			14 59 27' 03	105 58 14' 70
30	G	55' 26	33° 98	B. A. C. 4976.			
July 26	IF	55' 40	36° 46	June 11	JS	15 1 42' 25	159 34 40' 12
27	G	55' 31	35° 52	B. A. C. 4983.			
		14 53 55' 37	97 59 34' 74	June 12	CF	15 2 9' 72	113 28 43' 21
B. A. C. 4950.				17	CF	9' 65	43° 73
June 3	IF	14 56 20' 94	114 45 41' 63			15 2 9' 69	113 28 43' 47
12	CF	20' 75	40° 24	B. A. C. 4995.			
17	CF	21' 01	38° 61	Feb. 27	CF	15 4 42' 13	109 17 23' 50
		14 56 20' 90	114 45 40' 16	May 22	CF	41' 86	21° 43
B. A. C. 4964.				26	CF	41' 99	20° 92
June 9	IF	14 58 32' 60	112 48 27' 13	June 2	B	42' 17	22° 88
July 14	IF	32' 59	28° 18			15 4 42' 04	109 17 22' 18
22	IF	32' 36	27° 85				
		14 58 32' 52	112 48 27' 72				
ψ Boötis.							
June 30	G	14 58 47' 42	62 32				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5011.				ρ Octantis—continued.			
July 15	B	^{h m s} 15 7 12.08	148° 18' 17".38	Aug. 12	IF	^{h m s} 15 13 18.27	174° 0' 57".40
B. A. C. 5021.				13	G	18.37	...
Mar. 10	JS	15 8 12.97	150 0 26.47	14	CF	18.87	(52.57)
June 11	JS	12.74	29.33			15 13 18.50	174 0 57.37
		15 8 12.86	150 0 27.90	ρ Octantis S. P.			
β Libræ.				Aug. 9	G	15 13 18.58	...
Jan. 16	JS	...	98 53 36.95	10	JS	18.81	...
Mar. 12	G	15 9 54.42	...	11	G	18.31	...
Apr. 8	JS	...	38.86	13	G	18.75	...
May 22	CF	54.17	36.32	14	CF	19.06	174 0 56.26
26	CF	54.41	36.56	17	CF	...	56.95
June 2	B	54.48	...			15 13 18.70	174 0 56.61
3	IF	54.30	...	B. A. C. 5057.			
12	CF	54.53	36.50	Mar. 13	CF	...	105 4 10.70
17	CF	...	35.63	June 2	B	15 13 38.86	14.05
29.	B	...	35.79			15 13 38.86	105 4 12.38
30	G	54.39	37.82	B. A. C. 5070.			
July 14	IF	54.34	...	June 17	CF	15 16 37.87	101 53 44.70
		15 9 54.38	98 53 36.80	B. A. C. 5073.			
B. A. C. 5043.				July 22	IF	15 16 55.50	90 32 58.07
Feb. 27	CF	15 12 15.24	98 39 42.04	B. A. C. 5074.			
ρ Octantis.				Feb. 27	CF	15 17 2.83	99 50 43.31
Aug. 9	G	15 13 18.00	174 0 57.68	Mar. 9	B	2.63	44.54
10	JS	18.78	57.80	June 12	CF	2.71	45.13
11	G	18.72	56.61			15 17 2.72	99 50 44.33

296 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5068.				B. A. C. 5119.			
Mar. 10	JS	^{h m s} 15 17 11.54	162° 55' 35".16	Mar. 9	B	^{h m s} 15 26 10.08	90° 44' 9".52
June 11	JS	11.50	37.49	B. A. C. 5125.			
		15 17 11.52	162 55 36.33	Mar. 4	B	15 26 58.01	99 36 36.14
B. A. C. 5080.				Apr. 2	B	57.80	32.65
July 15	B	15 18 50.38	141 8 2.80	June 17	CF	58.06	36.11
ζ ¹ Libræ.						15 26 57.96	99 36 34.97
Apr. 8	JS	15 20 48.81	106 13 14.96	B. A. C. 5127.			
June 2	B	49.06	14.55	July 22	IF	15 27 17.78	118 36 19.23
3	IF	48.86	15.17	γ Libræ.			
17	CF	48.99	13.18	Mar. 12	G	15 28 8.72	104 20 48.83
		15 20 48.93	106 15 14.47	18	IF	8.77	48.38
B. A. C. 5090.				June 2	B	8.69	48.91
July 14	IF	15 20 58.01	118 24 15.93	3	IF	8.70	48.91
B. A. C. 5100.				12	CF	8.74	46.87
Feb. 27	CF	15 23 13.74	106 9 14.95	Aug. 24	JS	8.73	49.46
June 12	CF	13.91	13.34			15 28 8.73	104 20 48.56
		15 23 13.83	106 9 14.15	B. A. C. 5133.			
B. A. C. 5106.				July 14	IF	15 28 9.84	118 33 23.77
Mar. 10	JS	15 25 3.91	146 58 12.65	α Corone Borealis.			
June 11	JS	3.85	12.19	Aug. 12	IF	15 29 6.09	...
		15 25 3.88	146 58 12.42	Dec. 16	G	6.01	...
				17	G	6.02	...
				18	G	6.08	...
				20	G	6.07	...
						15 29 6.05	62 50

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5137.				B. A. C. 5188.			
July 15	B	^{h m s} 15 29 9.98	149° 27' 51.97	July 14	IF	^{h m s} 15 36 0.96	104° 37' 2.69
B. A. C. 5148.				B. A. C. 5190.			
Feb. 27	CF	15 29 47.35	90 7 16.35	June 17	CF	15 36 39.06	105 14 54.77
B. A. C. 5144.				α Serpentis.			
June 11	JS	15 29 48.97	146 28 42.19	Mar. 12	G	15 37 46.04	...
B. A. C. 5158.				23	B	46.04	...
June 17	CF	15 31 7.77	104 4 41.81	May 7	CF	46.08	..
B. A. C. 5176.				June 3	IF	46.10	...
Mar. 4	B	15 34 20.58	109 14 54.64	30	G	46.07	...
9	B	20.63	53.86	July 1	CF	...	83 9 22.57
Apr. 2	B	20.59	52.65	Aug. 28	CF	46.12	24.63
June 12	CF	20.69	51.78	Dec. 16	G	46.07	...
		15 34 20.62	109 14 53.23	17	G	46.13	...
B. A. C. 5184.				18	G	46.10	...
July 22	IF	15 35 20.98	105 35 16.55	20	G	46.08	...
B. A. C. 5183.				27	G	45.97	...
Mar. 10	JS	15 35 44.92	147 23 36.10			15 37 46.07	83 9 23.60
June 11	JS	44.91	34.77	B. A. C. 5197.			
		15 35 44.92	147 23 35.44	June 2	B	15 37 58.62	114 17 52.01
B. A. C. 5209.				B. A. C. 5226.			
July 15	B	15 40 7.00	142 47 58.93	June 12	CF	15 42 2.13	93 24 41.48
B. A. C. 5209.				Aug. 5	IF	2.12	39.90
B. A. C. 5226.						15 42 2.13	93 24 40.69

298 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5230.				B. A. C. 5278.			
Mar. 4	B	^{h m s} 15 42 44.02	93° 1' 24.86	Aug. 5	IF	^{h m s} 15 49 28.61	111° 5' 53.86
23	B	43.94	25.38	48 Libræ.			
Apr. 2	B	44.11	25.21	May 7	CF	15 50 48.17	103 53 44.64
June 17	CF	44.01	24.64	June 30	G	48.14	44.98
		15 42 44.02	93 1 25.02	July 1	CF	(47.78)	46.18
B. A. C. 5231.				27	G	48.08	44.90
June 11	JS	15 43 6.71	140 12 55.13	28	CF	48.09	44.65
B. A. C. 5235.						15 50 48.12	103 53 45.07
Mar. 10	JS	15 43 44.09	150 20 45.75	B. A. C. 5283.			
B. A. C. 5240.				June 11	JS	15 50 50.16	144 11 51.21
July 22	IF	15 44 4.14	119 28 59.51	B. A. C. 5288.			
B. A. C. 5246.				July 15	B	15 51 17.82	152 9 53.14
Mar. 9	B	15 44 23.25	92 41 19.89	♂ Scorpii.			
July 14	IF	23.20	18.77	July 14	IF	15 52 31.81	112 14 35.95
		15 44 23.23	92 41 19.33	22	IF	31.89	36.95
B. A. C. 5251.						15 52 31.85	112 14 36.45
June 2	B	15 45 40.47	109 46 10.44	B. A. C. 5304.			
♂ Libræ.				June 2	B	15 52 55.31	106 8 31.30
Mar. 12	G	15 46 18.76	106 20 21.44	51 Libræ.			
May 7	CF	18.79	20.88	June 30	G	15 57 6.82	101 0 23.38
26	CF	18.83	19.74	July 1	CF	6.74	23.63
July 28	CF	18.77	22.25			15 57 6.78	101 0 23.51
		15 46 18.79	106 20 21.08				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β^1 Scorpii.				B. A. C. 5349.			
Mar. 12	G	^{h m s} 15 57 45.87	° ' "	June 11	JS	^{h m s} 16 0 48.01	151° 34' 41".50
20	CF	45.96	...	B. A. C. 5354.			
23	B	45.70	...	Mar. 23	B	16 0 50.86	113 19 48.83
Apr. 2	B	45.90	...	B. A. C. 5356.			
3	CF	46.00	...	July 14	IF	16 1 9.34	120 41 51.45
May 7	CF	45.90	...	22	IF	9.32	52.72
26	CF	46.05	109 26 29.94			16 1 9.33	120 41 52.09
June 2	B	45.86	...	B. A. C. 5370.			
3	IF	45.90	...	July 2	JS	16 2 53	145 11 39.29
July 15	B	45.91	...	ν Scorpii.			
Aug. 12	IF	45.91	...	June 3	IF	16 4 19.55	109 6 52.53
21	IF	46.01	...	Aug. 24	JS	19.58	53.99
24	JS	...	28.05	25	G	19.57	53.05
25	G	...	28.79			16 4 19.57	109 6 53.19
Dec. 16	G	45.87	...	B. A. C. 5401.			
17	G	45.89	...	Apr. 3	CF	16 6 33.09	101 29 52.08
18	G	45.85	...	δ Ophiuchi.			
20	G	45.88	...	Apr. 2	B	16 7 25.82	...
		15 57 45.90	109 26 28.93	May 26	CF	25.92	93 21 7.14
β^2 Scorpii.				June 2	B	25.61	...
Apr. 2	B	15 57 46	109 26 16.26	3	IF	25.93	...
B. A. C. 5342.				11	CF	25.74	6.92
Aug. 5	IF	15 59 40.03	110 30 34.28	B. A. C. 5351.			
B. A. C. 5351.				Apr. 3	CF	16 0 16.89	102 23 14.56
Apr. 3	CF	16 0 16.89	102 23 14.56	June 2	B	16.85	15.44
June 2	B	16.85	15.44			16 0 16.87	102 23 15.00
		16 0 16.87	102 23 15.00				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♄ Ophiuchi—continued.				B. A. C. 5443.			
July 1	CF	^{h m s} ...	93° 21' 6".66	June 11	JS	^{h m s} 16 12 56.59	148° 17' 15".52
15	B	16 7 25.86	...	B. A. C. 5447.			
Aug. 12	IF	25.91	...	June 12	CF	16 13 10	115 16 21.87
Dec. 16	G	25.87	...	γ Apodis.			
17	G	25.84	...	Sept. 2	IF	16 13 18.06	168 35 36.63
18	G	25.84	...	3	JS	18.10	36.77
20	G	25.78	...			16 13 18.08	168 35 36.70
		16 7 25.83	93 21 6.91	γ Apodis S.P.			
B. A. C. 5420.				Sept. 2	IF	16 13 18.19	168 35 41.04
Mar. 23	B	16 8 27.04	98 1 0.27	ψ Ophiuchi.			
B. A. C. 5430.				Apr. 3	CF	16 16 22.91	109 43 31.27
July 14	IF	16 10 6.96	117 42 46.89	May 7	CF	23.11	27.56
B. A. C. 5437.				June 3	IF	22.85	30.39
Apr. 3	CF	16 11 20.41	94 22 3.43	July 28	CF	22.91	32.48
June 2	B	20.26	4.26			16 16 22.95	109 43 30.43
		16 11 20.34	94 22 3.85	B. A. C. 5471.			
B. A. C. 5412.				July 22	IF	16 17 16.96	121 23 44.24
Aug. 21	IF	...	176 6 4.56	B. A. C. 5477 (N. Star).			
24	JS	...	5.10	June 2	B	16 17 40.43	113 8 23.85
		16 12 24	176 6 4.83				
B. A. C. 5412 S.P.							
Aug. 21	IF	...	176 6 7.61				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5485.				β Apodis.			
June 11	JS	$\begin{smallmatrix} h & m & s \\ 16 & 18 & 45 \end{smallmatrix} \cdot 54$	$147^{\circ} 27' 27'' \cdot 99$	Sept. 3	JS	$\begin{smallmatrix} h & m & s \\ 16 & 24 & 18 \end{smallmatrix} \cdot 00$	$167^{\circ} 14' 3'' \cdot 00$
B. A. C. 5487.				B. A. C. 5522.			
July 14	IF	$16 \ 19 \ 14 \cdot 26$	$118 \ 59 \ 11 \cdot 28$	June 3	IF	$16 \ 24 \ 36 \cdot 92$	$121 \ 16 \ 4 \cdot 88$
α Scorpii.				B. A. C. 5528.			
Mar. 9	B	$16 \ 21 \ 18 \cdot 95$	...	Apr. 3	CF	$16 \ 25 \ 6 \cdot 74$	$105 \ 41 \ 53 \cdot 28$
20	CF	$18 \cdot 94$	...	July 22	IF	$6 \cdot 82$	$54 \cdot 30$
23	B	$18 \cdot 97$	...			$16 \ 25 \ 6 \cdot 78$	$105 \ 41 \ 53 \cdot 79$
Apr. 2	B	$18 \cdot 98$	...	B. A. C. 5539.			
3	CF	$19 \cdot 00$	...	Mar. 23	B	$16 \ 27 \ 40 \cdot 05$	$117 \ 56 \ 19 \cdot 03$
May 7	CF	$19 \cdot 03$	...	Apr. 2	B	$40 \cdot 15$	$19 \cdot 19$
26	CF	...	$116 \ 8 \ 6 \cdot 90$			$16 \ 27 \ 40 \cdot 10$	$117 \ 56 \ 19 \cdot 11$
June 2	B	$19 \cdot 06$	...	B. A. C. 5547.			
12	CF	$18 \cdot 96$	$8 \cdot 49$	July 14	IF	$16 \ 29 \ 25 \cdot 42$	$92 \ 2 \ 25 \cdot 50$
July 15	B	$18 \cdot 94$	...	28	CF	$25 \cdot 61$	$24 \cdot 95$
Aug. 12	IF	$18 \cdot 97$	...	Aug. 12	IF	$25 \cdot 57$	$25 \cdot 69$
21	IF	$19 \cdot 06$	...			$16 \ 29 \ 25 \cdot 53$	$92 \ 2 \ 25 \cdot 38$
Dec. 16	G	$19 \cdot 04$	...	B. A. C. 5556.			
17	G	$18 \cdot 97$	...	June 3	IF	$16 \ 30 \ 56 \cdot 59$	$119 \ 39 \ 29 \cdot 96$
18	G	$18 \cdot 99$	...	B. A. C. 5565.			
20	G	$19 \cdot 06$	...	June 11	JS	$16 \ 33 \ 19 \cdot 60$	$157 \ 51 \ 3 \cdot 97$
27	G	$19 \cdot 04$...				
		$16 \ 21 \ 19 \cdot 00$	$116 \ 8 \ 7 \cdot 70$				
ϕ Ophiuchi.							
May 7	OF	$16 \ 23 \ 35 \cdot 18$	$106 \ 19 \ 17 \cdot 62$				
July 28	CF	$35 \cdot 26$...				
		$16 \ 23 \ 35 \cdot 22$	$106 \ 19 \ 17 \cdot 62$				

302 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5573.				α Trianguli Australia S.P.			
July 22	IF	^{h m s} 16 33 39.24	107° 47' 55".00	Oct. 5	JS	^{h m s} ... 158° 46' 51".67	
B. A. C. 5579.				Dec. 4	CF	...	49° 26'
July 1	CF	16 33 56.50	107 29 0.56	10	CF	...	50° 00'
2	JS	...	1.75	11	JS	...	51° 33'
28	CF	56.48	2.28	15	CF	...	49° 43'
		16 33 56.49	107 29 1.53	17	JS	...	51° 13'
B. A. C. 5580.				18	CF	...	52° 79'
Mar. 23	B	16 34 8.11	109 40 6.64	27	CF	...	48° 10'
Apr. 2	B	8.34	3.76	30	IF	...	49° 48'
3	CF	8.28	6.02			16 34 43	158 46 50.35
		16 34 8.24	109 40 5.47	B. A. C. 5614.			
α Trianguli Australia.				Aug. 12	IF	16 38 46.42	115 17 6.89
Jan. 8	G	16 34 42.47	...	B. A. C. 5633.			
23	G	42.41	...	July 22	IF	16 41 42.47	114 24 21.45
Feb. 17	B	42.93	...	B. A. C. 5637.			
Sept. 8	JS	...	158 46 47.83	Mar. 23	B	16 42 32.02	100 32 48.11
14	JS	...	48.86	Apr. 2	B	32.09	46.45
Oct. 15	G	42.60	47.87	3	CF	32.04	46.36
Dec. 4	G	42.47	...			16 42 32.05	100 32 46.97
7	G	42.33	...	B. A. C. 5646.			
9	G	42.50	...	June 11	JS	16 44 6.68	145 49 25.77
10	G	42.52	...	B. A. C. 5655.			
18	G	42.49	...	July 13	JS	16 44 46.54	131 34 57.94
20	G	42.69	...				
21	G	42.58	...				
27	G	42.69	...				
28	G	42.58	...				
29	G	42.69	...				
		16 34 42.57	158 46 48.19				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5663.				B. A. C. 5715.			
July 28	CF	^{h m s} 16 45 37.71	110° 11' 30".69	July 13	JS	^{h m s} 16 53 10.84	147° 31' 1".16
B. A. C. 5676.				B. A. C. 5724.			
Aug. 12	IF	16 46 38.88	119 38 1.17	Apr. 3	CF	16 54 6.17	94 1 17.69
B. A. C. 5688.				B. A. C. 5733.			
Apr. 3	CF	16 47 32.52	95 56 3.21	July 22	IF	16 55 53.47	115 30 25.53
B. A. C. 5695.				B. A. C. 5748.			
Mar. 23	B	16 48 24.82	106 35 34.42	Mar. 23	B	16 57 14.67	100 53 61.16
B. A. C. 5700 (1st Star).				Apr. 2	B	14.80	58.72
Apr. 2	B	16 49 18	109 19 43.17			16 57 14.74	100 53 59.94
B. A. C. 5700 (2nd Star).				B. A. C. 5758.			
Apr. 2	B	16 49 18.63	109 19 39.89	July 28	CF	16 58 19.08	111 22 41.90
α Ophiuchi.				B. A. C. 5760.			
July 1	CF	...	80 25 2.33	Aug. 12	IF	16 58 44.22	90 42 30.52
Aug. 12	IF	16 51 25.44	...	21	IF	44.27	30.45
		16 51 25.44	80 25 2.33			16 58 44.25	90 42 30.49
B. A. C. 5710.				B. A. C. 5764.			
Aug. 21	IF	16 51 49.12	105 51 35.39	July 13	JS	16 59 49.97	147 51 6.66
B. A. C. 5774.				B. A. C. 5774.			
Apr. 3	CF	17 1 25.25	90 54	Apr. 3	CF	17 1 25.25	90 54

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
Lalande 31166.				B. A. C. 5830.			
Mar. 23	B	^{h m s} 17 2 7.15	110° 30' 27".03	Mar. 23	B	^{h m s} 17 9 50.07	90° 17' 36".58
Apr. 2	B	7.25	28.87	Apr. 2	B	50.13	37.03
		17 2 7.20	110 30 27.95			17 9 50.10	90 17 36.81
η Ophiuchi.				B. A. C. 5839.			
Apr. 11	G	17 2 48.50	105 33 30.80	July 22	IF	17 12 12.41	107 36 55.99
July 1	CF	48.54	28.82	ν Serpentis.			
Aug. 25	G	48.63	30.18	Apr. 11	G	17 13 24.17	102 42 36.73
		17 2 48.56	105 33 29.93	Aug. 25	G	24.33	35.40
B. A. C. 5784.						17 13 24.25	102 42 36.07
July 22	IF	17 3 14.19	110 28 53.27	θ Ophiuchi.			
B. A. C. 5808 (as one mass).				Apr. 3	CF	17 13 54.36	...
Aug. 12	IF	17 7 13.79	116 24 17.87	June 5	JS	...	114 51 53.52
B. A. C. 5809.				11	JS	54.24	...
Aug. 21	IF	17 7 25.70	120 3 17.24	13	JS	54.35	...
B. A. C. 5812.				July 14	IF	54.18	...
July 13	JS	17 8 11.66	140 3 37.67	20	JS	54.35	...
20	JS	11.68	39.94	Aug. 12	IF	54.04	...
		17 8 11.67	140 3 38.81			17 13 54.25	114 51 53.52
α Herculis.				B. A. C. 5861.			
June 11	JS	17 8 37.78	75 27	Aug. 21	IF	17 16 3.00	118 31 33.07
				B. A. C. 5890.			
				Aug. 5	IF	17 19 37.76	94 58 0.22

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5889.				B. A. C. 5947.			
July 13 20	JS	^{h m s} 17 20 10.30	146° 48' 39".99	July 13 Aug. 10	JS	^{h m s} 17 30 12.21	139° 19' 46".57
	JS	10.22	41.72		JS	12.34	46.80
	17 20 10.26	146 48 40.86	17 30 12.28		139 19 46.69		
B. A. C. 5905.				B. A. C. 5953.			
July 22	IF	17 22 54.06	105 31 45.42	July 22	IF	17 30 40.33	98 2 8.24
Aug. 12	IF	54.04	43.04				
		17 22 54.05	105 31 44.23				
B. A. C. 5910.				B. A. C. 5976.			
Aug. 21	IF	17 23 36.32	90 57 3.21	Aug. 21	IF	17 33 59.86	102 48 6.81
B. A. C. 5920.				B. A. C. 5984.			
Aug. 5	IF	17 25 18.31	107 23 51.89	Aug. 5	IF	17 35 5.67	105 29 27.66
α Ophiuchi.				58 Ophiuchi.			
Jan. 7	G	17 28 48.47	...	Mar. 15 Sept. 23	IF	17 35 31.44	111 36 54.93
June 11	JS	48.53	...			...	56.78
Sept. 2	IF	48.58	...			17 35 31.44	111 36 55.86
		17 28 48.53	77 20	B. A. C. 5992.			
ξ Serpentia.				Sept. 2	IF	17 36 26.47	112 7 55.18
Mar. 15	IF	17 30 1.80	105 18 44.35	B. A. C. 5995.			
Sept. 23	IF	1.73	44.62	July 13 Aug. 10	JS	17 37 40.45	151 39 41.28
		17 30 1.77	105 18 44.49			40.61	...
						17 37 40.53	151 39 41.28
B. A. C. 5948.							
Apr. 3	CF	17 30 1.91	105 29 12.61				

306 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 6015.				B. A. C. 6093.			
July 22	IF	^{h m s} 17 40 12.57	116° 55' 27".59	July 13	JS	^{h m s} 17 54 55.02	148° 34' 20".66
Aug. 12	IF	12.61	28.27	20	JS	55.17	22.02
		17 40 12.59	116 55 27.93	Aug. 10	JS	55.16	21.93
						17 54 55.12	148 34 21.54
B. A. C. 6023.				B. A. C. 6102.			
Aug. 21	IF	17 41 53.20	114 9 38.36	Aug. 21	IF	17 55 46.82	114 21 37.43
B. A. C. 6040.				B. A. C. 6111.			
July 20	JS	17 45 4.02	150 17 43.49	Sept. 2	IF	17 57 4.92	114 24 5.64
C. Z. XVII. 3281.				B. A. C. 6128.			
July 15	B	17 47 54.84	144 33 32.17	July 13	JS	18 0 6.59	134 57 36.72
				20	JS	6.56	37.52
B. A. C. 6060.						18 0 6.58	134 57 37.12
Aug. 12	IF	17 48 9.16	108 46 31.34	σ Octantis.			
B. A. C. 6059.				Sept. 7	IF	...	179 16 43.74
Sept. 2	IF	17 48 9.97	116 44 44.73	18	IF	...	43.25
B. A. C. 6066.						18 2 44	179 16 43.50
Aug. 21	IF	17 49 3.62	113 55 1.67	B. A. C. 6165.			
C. Z. XVII. 3710.				Aug. 12	IF	18 5 1.53	113 8 46.99
July 15	B	17 54 22.65	144 39 55.62	μ^1 Sagittarii.			
				Mar. 15	IF	...	111 5 26.61
				Apr. 11	G	...	25.13

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
μ^1 Sagittarii—continued.				B. A. C. 6262.			
July 13	JS	^{h m s} 18 5 52.24	° ' "	July 13	JS	^{h m s} 18 20 0.13	137° 17' 59".47
14	IF	52.21	...	B. A. C. 6267.			
20	JS	52.19	...	B. A. C. 6279.			
Sept. 2	IF	52.25	...	Sept. 2	IF	18 20 14.36	107 52 38.06
		18 5 52.22	111 5 25.87	B. A. C. 6276.			
B. A. C. 6189.				Mar. 15	IF	18 21 40.42	104 38 50.23
Aug. 21	IF	18 8 43.46	110 35 4.50	B. A. C. 6210.			
B. A. C. 6219.				Sept. 2	IF	18 12 32.89	105 52 58.00
July 13	JS	18 13 58.66	147 9 26.95	B. A. C. 6307.			
20	JS	58.81	28.73	Aug. 21	IF	18 25 8.00	91 5 39.96
		18 13 58.74	147 9 27.84	B. A. C. 6330.			
21 Sagittarii.				July 13	JS	18 29 14.77	138 1 9.36
May 10	IF	...	110 36 34.68	20	JS	14.72	10.06
Aug. 21	IF	18 17 29.26	33.69			18 29 14.75	138 1 9.71
27	JS	29.45	32.41	B. A. C. 6328.			
		18 17 29.36	110 36 33.59	Sept. 7	IF	18 29 28.37	154 45 22.68
λ Sagittarii.				B. A. C. 6340.			
Sept. 23	IF	18 19 49.49	115 29 29.13	B. A. C. 6340.			
24	G	49.43	28.88	Sept. 2	IF	18 30 11.62	107 20 24.26
		18 19 49.46	115 29 29.01				

308 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Lyrae.				B. A. C. 6437.			
Aug. 28	CF	^{h m s} 18 32 28.09	51° 20' 14".03	Sept. 2	IF	^{h m s} 18 46 24.79	117° 3' 3".16
Sept. 24	G	28.08	15.64	B. A. C. 6443.			
		18 32 28.09	51 20 14.84	July 13	JS	18 47 53.79	143 6 26.06
B. A. C. 6360.				ζ^2 Sagittarii.			
Sept. 18	IF	18 35 38.69	155 12 32.33	Aug. 27	JS	18 49 51.38	111 16 38.36
B. A. C. 6367.				28	CF	51.33	35.40
Aug. 21	IF	18 36 20.08	98 24 9.70	Sept. 23	IF	51.25	36.85
Sept. 2	IF	20.01	11.91	24	G	51.30	37.05
		18 36 20.05	98 24 10.81			18 49 51.32	111 16 36.92
B. A. C. 6370.				B. A. C. 6472.			
July 13	JS	18 37 14.29	139 45 51.05	Sept. 7	IF	18 51 31.76	153 58 1.63
20	JS	14.23	52.42	B. A. C. 6488.			
		18 37 14.26	139 45 51.74	Aug. 21	IF	18 54 0.84	105 27 57.15
B. A. C. 6398.				B. A. C. 6492.			
Sept. 7	IF	18 42 10.89	142 15 16.37	Sept. 2	IF	18 54 38.03	95 55 20.87
B. A. C. 6402.				B. A. C. 6498.			
July 13	JS	18 42 45.30	142 4 59.30	July 13	JS	18 55 52.59	142 31 47.98
20	JS	45.26	60.21	20	JS	52.51	48.21
		18 42 45.28	142 4 59.76			18 55 52.55	142 31 48.10
B. A. C. 6415.				\circ Sagittarii.			
Aug. 21	IF	18 44 12.55	112 4 23.07	June 7	G	18 56 46.37	111 55 54.20

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♄ Sagittarii—continued.				B. A. C. 6590.			
Aug. 27	JS	^{h m s} 18 56 46.46	111° 55' 56".00	Aug. 21	IF	^{h m s} 19 11 28.38	105° 45' 49".69
28	OF	46.40	53.97	♄ Aquilæ.			
		18 56 46.41	111 55 54.72	June 7	G	...	78 38 23.96
ζ Aquilæ.				Aug. 14	OF	19 11 37.28	25.02
Aug. 14	CF	18 59 20.76	76 19 47.66			19 11 37.28	78 38 24.49
π Sagittarii.				B. A. C. 6614.			
June 7	G	19 1 54.79	111 13 49.59	Sept. 2	IF	19 13 30.12	95 39 35.74
B. A. C. 6554.				ρ ¹ Sagittarii.			
Aug. 21	IF	19 2 56.98	119 42 49.73	Sept. 24	G	19 14 0.96	108 5 33.79
B. A. C. 6557.				25	JS	1.02	34.07
July 13	JS	19 3 29.98	148 12 60.01			19 14 0.99	108 5 33.93
20	JS	30.10	59.31	8 Aquilæ.			
		19 3 30.04	148 12 59.66	June 8	B	19 18 50.58	...
B. A. C. 6559.				July 13	JS	50.67	...
Aug. 27	JS	19 4 8.67	155 26 57.60	20	JS	50.59	...
B. A. C. 6564.				Aug. 14	CF	50.55	...
Sept. 2	IF	19 5 31.16	98 9 27.11	21	IF	50.57	...
B. A. C. 6580.				Oct. 13	OF	...	87 8 45.86
Aug. 27	JS	19 10 17.67	158 36 50.52			19 18 50.59	87 8 45.86
				B. A. C. 6664.			
				Sept. 2	IF	19 21 4.81	105 22 4.53

310 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 6668.				B. A. C. 6738.			
June 8	B	^{h m s} 19 22 2.58	105° 37' 37".54	Aug. 14	CF	^{h m s} 19 34 21.77	115° 9' 50".74
B. A. C. 6671.				ε ^a Sagittarii.			
Aug. 14	CF	19 23 3.82	111 35 0.66	June 7	G	19 34 58.03	106 25 49.87
B. A. C. 6683.				8	B	58.02	49.45
Aug. 21	IF	19 24 24.95	111 47 35.36	Aug. 28	CF	57.84	50.17
λ ^a Sagittarii.				29	G	58.05	50.08
June 8	B	19 28 40.26	...	Sept. 24	G	58.09	50.22
July 13	JS	40.44	...	B. A. C. 6751.			
20	JS	40.27	...	Aug. 24	JS	19 37 13.65	146 40 32.15
Aug. 14	CF	40.31	115 10 16.93	27	JS	13.69	31.40
21	IF	40.30	...	f Sagittarii.			
28	CF	40.34	17.94	June 7	G	19 38 39.61	110 4 31.50
B. A. C. 6705.				8	B	39.60	31.49
Aug. 24	JS	19 28 48.76	156 8 53.63	Aug. 21	IF	39.48	33.13
B. A. C. 6719.				28	CF	39.62	29.53
Sept. 2	IF	19 30 47.11	94 56 21.97	29	G	39.57	32.59
B. A. C. 6708.				Sept. 2	IF	39.69	33.07
Sept. 23	IF	...	171 40 18.24	γ Aquilæ.			
Oct. 7	IF	...	16.85	Oct. 7	IF	19 39 59.17	79 43
B. A. C. 6755.				α Aquilæ.			
B. A. C. 6755.				Jan. 8	G	19 44 20.60	...

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>α Aquilæ—continued.</i>				B. A. C. 6848.			
Feb. 12	G	^{h m s} 19 44 20.54	° ' "	Aug. 27	JS	^{h m s} 19 52 18.49	157° 39' 36".37
Aug. 21	IF	20.58	...	B. A. C. 6871.			
Sept. 2	IF	20.46	...	Sept. 2	IF	19 54 34.83	104° 0' 0".21
		19 44 20.55	81 29	B. A. C. 6874.			
B. A. C. 6797.				Aug. 24	JS	19 55 44.75	156° 43' 39".17
Aug. 27	JS	19 45 0.84	159 30 16.31	Sept. 23	IF	44.81	39.11
<i>ε Pavonis.</i>						19 55 44.78	156° 43' 39".14
Apr. 18	JS	...	163 15 12.39	B. A. C. 6889.			
19	JS	...	11.06	Aug. 28	CF	19 57 11.87	111° 40' 58".74
24	JS	...	9.25	B. A. C. 6902.			
Sept. 23	IF	19 45 16.75	10.87	Aug. 24	JS	20 0 23.36	147° 54' 21".82
24	G	16.39	...	27	JS	23.32	20.89
Oct. 1	IF	16.78	10.68			20 0 23.34	147° 54' 21".36
7	IF	16.97	11.85	B. A. C. 6911.			
12	JS	...	10.37	June 8	B	20 1 18.23	100° 26' 31".09
15	G	16.18	...	B. A. C. 6929.			
21	JS	16.28	11.48	Sept. 23	IF	20 4 22.07	157° 50' 57".75
		19 45 16.56	163 15 10.99	Oct. 7	IF	22.29	56.35
<i>ε Pavonis S.P.</i>						20 4 22.18	157° 50' 57".05
Apr. 24	JS	19 45 16	163 15 11.34	B. A. C. 6809.			
B. A. C. 6809.				Aug. 24	JS	19 46 1.63	148° 16' 4.19
B. A. C. 6840.				B. A. C. 6840.			
June 8	B	19 50 27.86	105° 50' 20".57				

312 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 6946.				π Capricorni— <i>continued</i> .			
Aug. 24	JS	^{h m s} 20 7 18.99	152° 18' 27".74	Aug. 29	G	^{h m s} 20 19 45.57	108° 38' 31".16
27	JS	19.08	27.90	30	G	45.80	30.37
		20 7 19.04	152 18 27.82			20 19 45.69	108 38 30.77
B. A. C. 6964.				ρ Capricorni.			
Sept. 3	JS	20 10 15.31	145 27 32.45	June 8	B	20 21 19.96	108 14 50.84
α^2 Capricorni.				9	IF	19.87	50.97
June 9	IF	20 10 43.79	...	Aug. 28	CF	19.75	51.10
Aug. 28	CF	43.78	102 57 4.61			20 21 19.86	108 14 50.97
Oct. 7	IF	43.80	...	B. A. C. 7038.			
		20 10 43.79	102 57 4.61	Sept. 23	IF	20 21 23.28	161 37 56.27
β Capricorni.				B. A. C. 7068.			
May 12	CF	...	105 11 46.60	Sept. 8	JS	20 25 38	166 38 13.79
Oct. 22	IF	20 13 35.64	44.86	B. A. C. 7095.			
		20 13 35.64	105 11 45.73	Aug. 24	JS	20 28 33.16	153 21 46.55
B. A. C. 6993.				B. A. C. 7099.			
Sept. 23	IF	20 15 46	171 43 40.64	Oct. 1	IF	20 29 5.26	150 59 13.50
B. A. C. 7010.				τ^2 Capricorni.			
Oct. 7	IF	20 17 (14.57)	159 29 56.83	June 8	B	20 31 53.46	105 24 55.31
π Capricorni.				9	IF	53.48	54.65
May 12	OF	...	108 38 (25.20)				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ^2 Capricorni—continued.				B. A. C. 7293.			
Aug. 29	G	^{h m s} 20 31 53.36	105° 24' 55".11	Sept. 23	IF	^{h m s} 20 55 29.00	163° 41' 8".48
30	G	...	55.64	θ Capricorni.			
Sept. 25	JS	53.37	55.84	May 13	IF	20 58 31.37	107 45 19.17
		20 31 53.42	105 24 55.31	B. A. C. 7329.			
σ Pavonis.				Oct. 7	IF	21 0 10.50	149 56 20.15
Sept. 23	IF	20 36 45.84	159 15 15.32	B. A. C. 7339.			
Oct. 7	IF	45.94	16.53	Oct. 1	IF	21 1 43.58	147 3 4.41
		20 36 45.89	159 15 15.93	ν Aquarii.			
B. A. C. 7231.				May 12	CF	...	101 54 12.84
Sept. 23	IF	20 45 29.23	158 55 26.94	13	IF	21 2 23.95	15.46
Oct. 1	IF	29.53	29.43	Sept. 27	G	24.17	14.02
		20 45 29.38	158 55 28.19			21 2 24.06	101 54 14.11
B Octantis.				B. A. C. 7355.			
May 5	IF	20 52 3.86	179 27	Sept. 23	IF	21 5 11.23	149 28 9.81
B Octantis S.P.				B. A. C. 7369.			
May 1	JS	...	179 27 8.79	Oct. 7	IF	21 8 12	151 53 10.26
4	JS	...	8.51	ι Capricorni.			
5	IF	20 52 6.20	...	July 7	G	21 14 53.67	107 23 40.42
9	IF	...	8.35	Sept. 27	G	53.62	41.39
14	JS	...	8.54			21 14 53.65	107 23 40.91
		20 52 6.20	179 27 8.55	B. A. C. 7272.			
B. A. C. 7272.				Oct. 1	IF	20 53 27.54	166 44 2.91
Oct. 7	IF	27.64	1.75		IF	27.64	1.75
		20 53 27.59	166 44 2.33			20 53 27.59	166 44 2.33

314 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 7406.				λ Octantis S.P.— <i>continued</i> .			
Oct. 1 7	IF	^{h m s} 21 15 1'47	147° 49' 4"80	May 23	JS	^{h m s} ... 173° 19' 18"60	
	IF	1'51	4'39	24	JS	... 19'23	
		21 15 1'49	147 49 4'60			21 30 20'82	173 19 18'52
B. A. C. 7464.				B. A. C. 7516.			
Oct. 1 7	IF	21 23 5'70	150 16 43'31	Oct. 1	IF	21 31 13'90	146 19 57'44
	IF	5'69	43'78	7	IF	13'97	58'50
		21 23 5'70	150 16 43'55			21 31 13'94	146 19 57'97
β Aquarii.				γ Capricorni.			
Mar. 12	G	21 24 36'58	...	June 9	IF	21 32 46'56	107 15 23'30
June 9	IF	36'58	...	10	G	46'43	26'01
10	G	36'55	...	Aug. 30	G	46'51	24'17
July 7	G	36'50	...			21 32 46'50	107 15 24'49
Nov. 24	CF	36'62	...	ϵ Pegasi.			
		21 24 36'57	96 9	May 13	IF	21 37 42'16	...
λ Octantis.				July 7	G	42'20	...
May 15	B	21 30 21'19	...			21 37 42'18	80 44
16	G	20'34	173 19 16'54	B. A. C. 7572.			
22	CF	21'78	15'08	Oct. 7	IF	21 39 34'60	160 14 26'80
26	CF	...	15'07	δ Capricorni.			
27	IF	...	14'08	June 9	IF	21 39 45'24	106 43 27'00
		21 30 21'10	173 19 15'19	10	G	45'15	27'72
λ Octantis S.P.				Aug. 30	G	45'20	28'03
May 15	B	21 30 20'65	173 19 17'11			21 39 45'20	106 43 27'58
16	G	20'98	16'80				
18	JS	...	20'87				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
μ Capricorni.				ϵ Aquarii—continued.			
May 13	IF	^{h m s} 21 46 5 ⁸⁸	104° 10' 16 ¹⁴	July 7	G	^{h m s} 21 59 18 ⁴⁵	104° 30' 30 ⁹⁹
14	JS	5 ⁸¹	17 ⁵⁹	Sept. 27	G	18 ⁴⁷	31 ⁹⁷
Sept. 27	G	5 ⁹⁰	17 ¹⁹			21 59 18 ⁴¹	104 30 31 ⁹²
		21 46 5 ⁸⁶	104 10 16 ⁹⁷	B. A. C. 7687.			
16 Pegasi.				Oct. 7	IF	21 59 21 ⁷⁹	166 45 36 ³⁹
July 7	G	21 47 3 ⁵⁴	64 42	α Gruis.			
B. A. C. 7645.				Nov. 24	CF	21 59 54 ¹⁴	137 35 54 ⁹⁷
Oct. 7	IF	21 51 22 ⁵⁰	146 30 46 ⁵²	B. A. C. 7728.			
B. A. C. 7656.				Oct. 1	IF	22 4 6 ³⁹	146 35 38 ³⁹
Oct. 22	IF	21 53 14 ⁹⁵	147 19 33 ¹²	ζ Octantis.			
B. A. C. 7669.				June 2	B	22 5 28 ⁷⁸	176 37 (58 ⁸¹)
Oct. 1	IF	21 56 33 ³¹	150 16 21 ⁷⁵	3	IF	28 ¹⁹	63 ⁸³
Nov. 6	IF	33 ⁴¹	20 ⁹¹	8	B	27 ³⁵	62 ⁷⁹
		21 56 33 ³⁶	150 16 21 ³³	9	IF	28 ⁵⁶	64 ³⁴
α Aquarii.						22 5 28 ²²	176 38 3 ⁶⁵
May 26	CF	21 59 0 ¹⁶	90 57 30 ²¹	ζ Octantis S.P.			
June 10	G	0 ²¹	...	June 2	B	22 5 26 ³⁹	176 38 3 ⁷³
		21 59 0 ¹⁹	90 57 30 ²¹	3	IF	27 ⁵⁹	3 ⁷⁸
ϵ Aquarii.				8	B	27 ¹⁶	4 ⁷⁰
May 13	IF	21 59 18 ³⁷	104 30 32 ⁸⁴			22 5 27 ⁰⁵	176 38 4 ⁰⁷
14	JS	18 ³⁴	31 ⁸⁶	B. A. C. 7764.			
				Oct. 22	IF	22 8 36 ³⁴	144 58 34 ³⁷

316 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♈ Aquarii.				B. A. C. 7841.			
May 13	IF	^{h m s} 22 9 51.99	° ' "	Oct. 1	IF	^{h m s} 22 24 3.07	152° 39' 29".19
June 2	B	52.08	...	B. A. C. 7860.			
10	G	52.00	98 26 21.59	Oct. 22	IF	22 27 18.91	148 33 51.78
July 7	G	52.01	21.38	♏ Aquarii.			
8	JS	...	23.13	June 2	B	22 28 34.38	...
Oct. 2	CF	52.09	19.35	3	IF	34.34	...
		22 9 52.03	98 26 21.36	9	IF	34.56	...
B. A. C. 7785.				10	G	34.30	...
Nov. 6	IF	22 14 18.33	165 40 56.95	Oct. 2	CF	34.52	90 47 46.40
B. A. C. 7801.						22 28 34.42	90 47 46.40
Oct. 1	IF	22 16 9.09	148 27 6.08	B. A. C. 7887.			
B. A. C. 7811.				Nov. 6	IF	22 32 5.72	140 16 57.22
Oct. 22	IF	22 18 38.41	148 40 14.33	♐ Octantis S.P.			
B. A. C. 7831.				May 28	JS	22 32 22	172 4 18.66
Oct. 7	IF	22 22 44.37	...	♑ Pegasi.			
Nov. 6	IF	44.78	169 26 57.05	Oct. 2	CF	22 34 52.80	79 51 26.56
		22 22 44.58	169 26 57.05	B. A. C. 7911.			
♒ Aquarii.				Oct. 22	IF	22 35 43.23	154 38 40.35
May 14	JS	22 23 39.43	101 21 9.04	B. A. C. 7927.			
June 10	G	39.61	8.34	Oct. 1	IF	22 38 9.09	160 10 7.71
11	JS	39.44	7.95	7	IF	8.93	7.55
Sept. 1	G	39.70	8.34			22 38 9.01	160 10 7.63
Oct. 26	JS	39.76	8.10				
		22 23 39.59	101 21 8.35				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 7942.				B. A. C. 8022—continued.			
Nov. 6	IF	^{h m s} 22 40 12.54	154° 24' 49".83	Nov. 6	IF	^{h m s} 22 56 5.12	146° 24' 24".09
τ^2 Aquarii.				13	IF	5.01	24.31
Oct. 26	JS	22 42 36.15	104 17 18.13	..		22 56 5.17	146 24 23.17
B. A. C. 7956.				α Pegasi.			
Oct. 22	IF	22 43 34.25	153 53 9.30	Mar. 5	JS	22 58 11.33	...
B. A. C. 7965.				June 12	OF	(11.00)	...
Oct. 1	IF	22 45 25.83	160 46 43.93	Oct. 2	OF	11.19	75 30 14.23
λ Aquarii.				16	OF	11.23	13.77
July 9	G	22 45 43.61	98 16 53.04	19	OF	...	16.06
α Piscis Australis.				Nov. 24	OF	11.24	15.07
Mar. 12	G	22 50 21.09	...			22 58 11.25	75 30 14.78
June 2	B	21.14	...	λ^1 Aquarii.			
3	IF	21.07	...	July 9	G	22 58 16.72	98 24 18.98
9	IF	21.00	...	B. A. C. 8081.			
12	OF	21.19	...	Oct. 22	IF	23 5 56.76	153 24 6.28
July 9	G	21.01	...	τ Octantis.			
Sept. 2	IF	20.99	...	June 2	B	23 6 45.72	178 12 17.97
Oct. 2	OF	21.04	120 19 14.77	6	G	48.19	16.34
7	IF	21.09	...	7	G	48.56	17.81
		22 50 21.07	120 19 14.77	8	B	48.34	17.67
B. A. C. 8022.				9	IF	50.89	21.10
Oct. 22	IF	22 56 5.39	146 24 21.11	10	G	49.82	...
				11	JS	46.77	17.60
				12	OF	44.85	...
				13	G	47.99	...

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
γ Octantis—continued.				B. A. C. 8102.			
June 14	G	^h 23 ^m 6 ^s 49.80	° ... "	Oct. 16	CF	^h 23 ^m 10 ^s 0.42	98° 26' 44".07
15	IF	49.97	178 12 22.36	γ Piscium.			
16	G	47.77	...	Oct. 19	CF	...	87 26 17.76
		^h 23 ^m 6 ^s 48.22	178 12 18.69	Nov. 24	CF	^h 23 ^m 10 ^s 19.34	18.11
γ Octantis S.P.				25	IF	19.41	...
June 2	B	^h 23 ^m 6 ^s 47.66	178 12 21.86			^h 23 ^m 10 ^s 19.38	87 26 17.94
3	IF	49.03	19.26	ψ^2 Aquarii.			
6	G	48.49	20.97	Sept. 2	IF	^h 23 ^m 11 ^s 2.58	99 54 9.96
7	G	47.59	21.27	Oct. 26	JS	2.56	9.98
8	B	50.10	22.18			^h 23 ^m 11 ^s 2.57	99 54 9.97
9	IF	48.94	21.04	ψ^2 Aquarii.			
11	JS	48.58	22.04	June 11	JS	^h 23 ^m 12 ^s 5.62	100 19 53.36
12	CF	46.11	...	12	CF	5.39	53.95
13	G	48.41	...			^h 23 ^m 12 ^s 5.51	100 19 53.66
14	G	48.46	...	B. A. C. 8142.			
15	IF	47.92	20.60	Oct. 16	CF	^h 23 ^m 15 ^s 43.89	105 45 47.94
17	CF	47.90	20.11	19	CF	43.56	48.00
18	JS	...	20.72			^h 23 ^m 15 ^s 43.73	105 45 47.97
		^h 23 ^m 6 ^s 48.27	178 12 21.01	B. A. C. 8143.			
ϕ Aquarii.				Nov. 6	IF	^h 23 ^m 15 ^s 51.02	146 16 37.44
Sept. 2	IF	^h 23 ^m 7 ^s 29.14	96 45 34.73				
Oct. 26	JS	29.10	37.14				
Nov. 23	JS	29.08	35.76				
		^h 23 ^m 7 ^s 29.11	96 45 35.88				
B. A. C. 8087.							
Nov. 6	IF	^h 23 ^m 7 ^s 40.04	147 24 33.56				
13	IF	39.84	33.30				
		^h 23 ^m 7 ^s 39.94	147 24 33.43				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
Lacaille 9455.				♈ Piscium.			
Nov. 13	IF	^{h m s} 23 16 25.45	144° 31' 53".86	June 11	JS	^{h m s} 23 33 9.69	° ... "
18	IF	25.51	52.33	12	CF	9.72	...
		23 16 25.48	144 31 53.10	July 10	CF	...	85 5 19.23
♐ Piscium.				Sept. 2	IF	9.68	...
June 11	JS	23 20 10.01	...	Oct. 16	CF	9.69	18.36
July 10	CF	...	89 27 59.07	19	CF	...	19.47
Oct. 16	CF	10.04	57.83	Nov. 24	CF	9.68	19.01
19	CF	...	60.51			23 33 9.69	85 5 19.02
Nov. 24	CF	10.08	59.28	B. A. C. 8244.			
		23 20 10.04	89 27 59.17	Nov. 6	IF	23 35 24.49	148 41 36.94
B. A. C. 8207.				B. A. C. 8253.			
Nov. 6	IF	23 27 39.64	155 25 7.74	Oct. 21	JS	23 36 54.32	155 8 17.18
13	IF	39.73	8.74	Nov. 13	IF	54.18	15.45
18	IF	39.86	6.07	18	IF	54.38	16.26
		23 27 39.74	155 25 7.52			23 36 54.29	155 8 16.30
B. A. C. 8208.				B. A. C. 8263.			
Nov. 25	IF	23 27 43.09	147 33 15.50	Oct. 22	IF	23 40 4.61	159 7 32.86
B. A. C. 8219.				B. A. C. 8264.			
Oct. 21	JS	23 30 7.71	167 35 56.47	Nov. 25	IF	23 40 15.18	140 57 32.01
B. A. C. 8226.				♐ Piscium.			
Oct. 22	IF	23 31 19.18	153 36 56.73	July 10	CF	23 41 9.21	93 29 41.96
				Sept. 30	JS	9.39	41.95
						23 41 9.30	93 29 41.96

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
8 Sculptoris.				B. A. C. 8329—continued.			
June 12	CF	^{h m s} 23 42 2'79	^{° ' "} ... "	Oct. 21	JS	^{h m s} 23 52 4'63	143° 28' 55"82
Oct. 16	CF	2'70	118 51 34'86	Nov. 25	IF	4'80	58'35
Nov. 24	CF	2'79	35'98			23 52 4'75	143 28 58'03
...		23 42 2'76	118 51 35'42	Lacaille 9688.			
B. A. C. 8283.				Nov. 6	IF	23 54 5'50	141 10 52'18
Oct. 21	JS	23 42 53'00	151 52 9'60	18	IF	5'31	52'97
B. A. C. 8305.						23 54 5'41	141 10 52'58
Nov. 6	IF	23 46 38'12	156 41 4'11	30 Piscium.			
13	IF	37'88	4'05	June 12	CF	23 55 11'44	96 44 48'44
18	IF	38'01	1'15	Sept. 2	IF	11'41	50'35
		23 46 38'00	156 41 3'10	Nov. 24	CF	11'34	49'71
B. A. C. 8327.						23 55 11'40	96 44 49'50
Oct. 16	CF	23 51 33'77	106 34 55'12	B. A. C. 8365.			
19	CF	33'63	55'12	Oct. 16	CF	23 58 17'78	91 14 8'98
		23 51 33'70	106 34 55'12	19	CF	17'84	9'64
27 Piscium.						23 58 17'81	91 14 9'31
July 9	G	23 51 54'98	94 17 17'46	B. A. C. 8367.			
10	CF	54'98	15'63	Nov. 13	IF	23 58 25'17	142 52 54'64
Sept. 30	JS	54'95	16'88	25	IF	25'43	54'07
		23 51 54'97	94 17 16'66			23 58 25'30	142 52 54'36
B. A. C. 8329.				33 Piscium.			
Oct. 14	IF	23 52 4'81	143 28 59'92	June 12	CF	23 58 34'84	96 26 44'11
				Sept. 2	IF	34'66	45'72
				Nov. 24	CF	34'75	44'15
						23 58 34'75	96 26 44'66

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

CATALOGUE
OF
MEAN RIGHT ASCENSIONS
AND
MEAN DECLINATIONS,
FOR
1868⁰,
OF
STARS OBSERVED IN THE YEAR 1868.

322 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
1	B.A.C. 8377	7·8	0·80	1	^h 0 0 40·93	^s +3·067	0·80	1	— 57 34 15·42	+20·06
2	α Andromedæ	2·1	0·00	1	0 1 34·04	+3·086	0·00	1	+28 21 40·81	+19·90
3	B.A.C. 9	6·4	0·85	3	0 2 22·27	+3·055	0·85	3	—54 44 12·90	+20·05
4	γ Pegasi.....	3·0	0·00	3	0 6 26·47	+3·081	0·00	3	+14 26 59·24	+20·03
5	B.A.C. 30	7·3	0·85	3	0 7 18·38	+3·008	0·85	3	—57 44 7·28	+20·05
6	B.A.C. 31	6·6	0·90	1	0 7 41·38	+3·007	0·90	1	—55 48 8·97	+20·04
7	ε Octantis	7·2	0·50	2	0 13 9·30	—1·878	0·50	2	—89 5 47·97	+20·00
8	ε Octantis S.P....	...	0·51	1	9·15	...	...	...	...	...
9	B.A.C. 76	7·3	0·83	2	0 16 14·72	+2·897	0·83	2	—61 46 2·80	+20·01
10	44 Piscium	5·8	0·75	1	0 18 38·15	+3·075	0·75	1	+ 1 12 31·66	+19·99
11	β Hydri.....	2·9	0·00	37	0 18 46·12	+3·284	0·00	8	—77 59 51·64	+20·25
12	β Hydri S.P. ....	...	0·00	44	46·14	...	0·00	17	53·53	...
13	12 Ceti	6·2	0·00	3	0 23 18·17	+3·059	0·00	4	— 4 41 11·59	+19·94
14	13 Ceti	5·3	0·77	4	0 28 27·23	+3·087	0·77	4	— 4 19 10·34	+19·87
15	B.A.C. 151	5·8	0·88	3	0 29 23·22	+2·824	0·88	3	—55 32 51·01	+19·89
16	B.A.C. 163	6·8	0·83	1	0 31 19·81	+3·069	...	...	— 1 13	+19·87
17	β Ceti.....	2·1	0·00	5	0 36 57·78	+3·012	0·00	3	—18 42 40·10	+19·82
18	B.A.C. 199	4·5	0·88	1	0 37 24·81	+2·723	0·88	1	—58 11 13·60	+19·79
19	B.A.C. 231	6·1	0·91	1	0 42 48·88	+2·802	0·91	1	—47 25 7·16	+19·71
20	B.A.C. 233	5·3	0·83	1	0 43 31·00	+3·022	0·83	1	—11 21 20·80	+19·70
21	B.A.C. 241	6·8	0·94	1	0 45 57·86	+2·260	0·94	1	—71 52 16·11	+19·66
22	B.A.C. 251	5·6	0·89	3	0 48 7·88	+2·512	0·89	3	—63 35 17·59	+19·62
23	B.A.C. 260	5·6	0·83	1	0 49 24·36	+3·012	0·83	1	—11 58 53·28	+19·59
24	B.A.C. 276	6·3	0·91	1	0 52 52·46	+2·512	0·91	1	—61 24 36·83	+19·53
25	B.A.C. 291	5·9	0·83	1	0 56 22·04	+3·041	0·83	1	— 5 32 33·95	+19·46
26	B.A.C. 342	6·5	0·83	1	1 3 34·83	+3·010	0·83	1	— 9 36 31·66	+19·29
27	B.A.C. 347	6·8	0·93	2	1 3 52·05	+2·500	0·93	2	—57 17 54·47	+19·28
28	ζ Piscium (1st Star)..	5·2	0·83	4	1 6 50·23	+3·130	0·83	4	+ 6 52 36·53	+19·15
29	B.A.C. 371	8·5	0·87	1	1 7 17·58	+3·016	0·87	1	— 8 19 18·18	+19·20
30	B.A.C. 383	7	0·91	1	1 9 35·74	+2·472	0·91	1	—56 19 52·74	+19·14

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
					^h ^m ^s	^s			[°] ['] ["]	["]
31	B.A.C. 396.....	6·9	0·90	3	1 11 57·95	+2·044	0·90	3	68° 7' 42·33	+19·08
32	B.A.C. 400.....	6·3	0·88	1	1 13 3·52	+3·065	0·88	1	1 12 10·86	+19·05
33	θ ¹ Ceti.....	3·8	0·00	6	1 17 25·54	+2·996	0·00	4	8 51 54·66	+18·71
34	B.A.C. 436.....	5·8	0·91	3	1 20 31·16	+2·084	0·91	3	65 3 22·01	+18·83
35	μ Piscium.....	5·2	0·75	2	1 23 16·35	+3·138	0·75	2	5 27 45·77	+18·58
36	B.A.C. 462.....	7	0·93	3	1 25 51·13	+2·478	0·93	3	50 34 54·29	+18·67
37	B.A.C. 475	5·5	0·88	2	1 28 10·92	+2·926	0·88	2	16 21 12·16	+18·59
38	B.A.C. 497	6·0	0·91	3	1 31 54·44	+2·206	0·91	3	58 56 40·94	+18·47
39	B.A.C. 520	7·2	0·94	1	1 34 30·07	+1·853	0·94	1	66 16 33·62	+18·38
40	ν Piscium.....	4·7	0·00	3	1 34 33·90	+3·113	0·00	5	4 49 7·43	+18·33
41	B.A.C. 521 (1st Star)	6·1	0·96	1	1 34 47·19	+2·250	0·96	1	56 51 56·15	+18·37
42	ο Piscium	4·4	0·60	1	1 38 25·62	+3·161	0·60	1	8 29 33·05	+18·25
43	B.A.C. 539.....	5·7	0·88	2	1 39 21·94	+3·009	0·88	2	6 23 39·76	+18·21
44	B.A.C. 543.....	6·9	0·91	2	1 40 6·30	+2·023	0·91	2	61 40 52·36	+18·18
45	B.A.C. 565	3·9	0·88	2	1 44 56·72	+2·955	0·88	2	10 59 16·25	+17·88
46	B.A.C. 567	6·4	0·96	1	1 45 2·12	+2·405	0·96	1	48 28 27·15	+17·99
47	B.A.C. 571	5·9	0·92	2	1 45 47·07	+2·341	0·92	2	50 51 37·83	+17·96
48	ξ Piscium	4·7	0·83	4	1 46 43·48	+3·099	0·83	5	4 32 5·98	+17·95
49	β Arietis... ..	2·8	...	...	1 47 21	+3·295	0·00	1	20 9 39·85	+17·79
50	B.A.C. 599	7·5	0·88	1	1 51 3·50	+1·951	0·88	1	60 57 28·73	+17·75
51	B.A.C. 598	6·4	0·87	1	1 51 16·93	+3·045	0·87	1	2 42 16·07	+17·74
52	B.A.C. 606	6·0	0·93	1	1 51 58·02	+2·257	0·93	1	52 25 13·22	+17·71
53	B.A.C. 622	7·2	0·96	1	1 53 49·89	+0·035	0·96	1	78 8 19·46	+17·63
54	B.A.C. 638	6·3	0·93	2	1 56 7·60	-0·269	0·93	2	78 59 36·07	+17·54
55	B.A.C. 633	5·4	0·88	2	1 56 25·63	+3·066	0·88	2	0 30 31·82	+17·53
56	α Arietis	2·0	0·00	4	1 59 44·26	+3·367	0·00	1	22 50 14·10	+17·24
57	B.A.C. 652	6·9	0·91	2	2 0 7·87	+1·123	0·91	2	71 3 16·96	+17·37
58	B.A.C. 660	7·1	0·88	2	2 2 28·54	+3·035	0·88	2	2 57 24·97	+17·27
59	B.A.C. 680	7·3	0·94	4	2 4 56·54	+2·174	0·94	4	52 21 26·19	+17·15
60	ζ ¹ Ceti... ..	4·5	0·88	2	2 6 0·43	+3·169	0·88	3	4 8 13 35·39	+17·07

324 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
61	B.A.C. 709.....	7·40·96	1	2	10 22·81	+0·359	0·96	1	—75° 7' 12" 38	+16" 90
62	67 Ceti.....	5·50·00	2	2	10 24·05	+2·986	0·00	2	—7 1 52·36	+16·77
63	B.A.C. 724.....	5·40·90	1	2	12 43·97	+1·227	0·90	1	—68 21 30·47	+16·79
64	B.A.C. 734.....	5·40·94	2	2	15 37·66	+1·944	0·94	2	—56 33 5·73	+16·65
65	ξ Ceti.....	4·40·00	3	2	21 8·67	+3·180	0·00	7	+7 52 1·89	+16·36
66	B.A.C. 762.....	5·40·91	3	2	21 12·61	+1·684	0·91	3	—60 54 12·27	+16·37
67	B.A.C. 779.....	6·30·94	4	2	24 59·76	+1·385	0·94	4	—64 53 22·69	+16·18
68	B.A.C. 820.....	5·10·92	1	2	33 3·20	+1·971	0·92	1	—53 6 55·00	+15·71
69	B.A.C. 833.....	5·30·96	1	2	34 32·48	—1·522	0·96	1	—79 41 5·23	+15·66
70	γ Ceti.....	3·60·00	2	2	36 27·80	+3·101	0·00	2	+2 40 40·82	+15·39
71	B.A.C. 846.....	7·00·92	3	2	37 16·37	+1·024	0·92	3	—67 31 22·68	+15·52
72	μ Ceti.....	4·40·79	2	2	37 48·63	+3·234	0·79	2	+9 33 19·27	+15·45
73	B.A.C. 862.....	6·10·92	1	2	39 56·67	+1·928	0·92	1	—53 7 43·93	+15·37
74	B.A.C. 869.....	6·20·49	1	2	41 8·79	+1·007	0·49	2	—67 16 12·30	+15·30
75	B.A.C. 874.....	6·60·96	1	2	41 44·66	+0·724	0·96	1	—69 43 10·32	+15·27
76	B.A.C. 895.....	5·30·94	3	2	46 6·07	+1·305	0·94	3	—63 21 16·47	+15·02
77	B.A.C. 899.....	7·50·97	2	2	47 28·12	+1·658	0·97	2	—57 44·7 8·86	+14·94
78	B.A.C. 906.....	6·90·92	1	2	48 53·43	+1·223	0·92	1	—64 4 50·31	+14·86
79	B.A.C. 928.....	4·70·94	1	2	51 21·49	—0·474	0·94	1	—75 36 22·15	+14·70
80	λ Ceti.....	4·60·91	1	2	52 38·62	+3·214	0·91	1	+8 22 47·90	+14·65
81	α Ceti.....	2·70·00	2	2	55 22·96	+3·127	0·00	3	+3 34 13·62	+14·36
82	B.A.C. 958.....	7·30·95	3	2	57 8·94	+1·144	0·95	3	—64 9 6·11	+14·36
83	B.A.C. 973.....	8 0·94	1	3	0 51·70	+1·335	0·94	1	—61 21 19·79	+14·13
84	δ Arietis.....	4·50·00	2	3	4 5·11	+3·417	0·00	4	+19 13 32·92	+13·94
85	B.A.C. 992.....	7·50·99	1	3	5 17·89	+1·279	0·99	1	—61 39 17·07	+13·85
86	B.A.C. 996.....	6·00·96	1	3	6 9·82	+1·947	0·96	1	—49 14 1·91	+13·80
87	B.A.C. 1014.....	5·70·94	1	3	9 12·57	+1·510	0·94	1	—57 48·58·67	+13·61
88	B.A.C. 1013.....	4·80·96	1	3	9 25·42	+2·910	0·96	2	—9 18 41·82	+13·60
89	B.A.C. 1048.....	5·50·98	2	3	14 54·83	+1·092	0·98	2	—63 4·50·59	+13·23
90	B.A.C. 1039.....	5·90·92	1	3	15 38·02	+2·621	0·92	1	—24 6 36·67	+13·19

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
91	B.A.C. 1054.....	6·3	0·96	1	^{h m s} 3 16 35·82	+2·578	0·96	2	—26° 3' 41"·51	+13"·13
92	♉ Tauri	3·8	0·91	1	3 17 42·67	+3·225	0·91	1	+ 8 33 45·11	+12·96
93	ξ Tauri	3·8	0·09	2	3 20 0·96	+3·242	0·09	2	+ 9 16 14·40	+12·85
94	B.A.C. 1073.....	6·1	0·92	1	3 20 48·19	+2·531	0·92	1	—27 46 58·31	+12·85
95	B.A.C. 1086.....	6·8	0·96	1	3 23 11·12	+2·061	0·96	1	—44 18 57·42	+12·68
96	B.A.C. 1091.....	6·4	0·99	1	3 23 29·81	+0·208	0·99	1	—70 5 18·06	+12·66
97	♌ Tauri	4·3	0·98	1	3 23 35·23	+3·306	0·49	2	+12 28 57·07	+12·66
98	B.A.C. 1094.....	5·9	0·95	3	3 25 0·44	+0·237	0·95	3	—69 47 52·24	+12·55
99	B.A.C. 1093.....	6·4	0·96	1	3 25 31·40	+2·138	0·96	2	—41 48 57·97	+12·53
100	B.A.C. 1100.....	3·7	0·93	2	3 25 42·77	+2·821	0·93	2	— 9 54 22·28	+12·46
101	B.A.C. 1113.....	5·7	0·06	3	3 29 31·12	+0·583	0·06	3	—66 56 12·02	+12·24
102	B.A.C. 1118.....	7·0	0·96	1	3 31 20·39	+2·039	0·96	1	—44 9 18·13	+12·12
103	B.A.C. 1131.....	7	0·96	5	3 32 56·13	+0·643	0·96	5	—66 12 9·92	+12·01
104	B.A.C. 1130.....	5·8	0·93	2	3 33 18·36	+2·494	0·93	2	—28 22 32·89	+11·99
105	B.A.C. 1141.....	7·3	0·06	2	3 35 31·95	+1·185	0·06	2	—60 12 27·71	+11·83
106	B.A.C. 1160.....	6·7	0·96	1	3 37 55·70	+1·931	0·96	2	—46 22 45·11	+11·66
107	B.A.C. 1183.....	8·5	0·36	3	3 40 55·75	+1·509	0·36	3	—54 53 48·08	+11·44
108	♉ Tauri.....	5·1	0·83	3	3 41 2·08	+3·280	0·83	3	+10 44 6·62	+11·39
109	B.A.C. 1181.....	4·3	0·93	2	3 41 10·06	+2·591	0·93	2	—23 38 27·78	+11·43
110	B.A.C. 1185.....	6·2	0·95	2	3 41 12·11	+1·520	0·95	2	—54 41 24·71	+11·42
111	B.A.C. 1200.....	7·0	0·94	1	3 42 24·15	—2·900	0·94	1	—79 31 15·33	+11·32
112	B.A.C. 1208.....	7	0·96	1	3 45 21·37	+2·030	0·96	2	—43 7 41·57	+11·12
113	B.A.C. 1215.....	6·4	0·06	3	3 46 6·20	—0·376	0·06	3	—72 3 56·53	+11·06
114	γ Hydri.....	3·1	0·30	14	3 49 18·88	—1·021	0·50	5	—74 38 34·21	+10·92
115	γ Hydri S.P.....	...	0·31	17	18·98	...	0·31	8	35·43	...
116	B.A.C. 1233.....	6·3	0·50	2	3 51 6·14	+1·567	0·50	2	—53 4 35·26	+10·70
117	γ Eridani.....	3·1	0·00	3	3 51 52·35	+2·794	...	...	—13 53	+10·53
118	λ Tauri	Var.	0·46	2	3 53 22·28	+3·316	0·46	4	+12 6 55·32	+10·55
119	B.A.C. 1243.....	4·6	0·93	2	3 54 17·78	+2·555	0·93	2	—24 23 31·32	+10·47
120	B.A.C. 1249.....	7·0	0·96	1	3 55 1·42	+1·958	0·96	2	—44 17 32·13	+10·41

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868 ^o .	Annual Variation 1865 ^o .	Fraction of Year.	No. of Obs.	Mean Dec. 1868 ^o .	Annual Variation 1865 ^o .
					^h ^m ^s	^s			[°] ['] ["]	["]
121	B.A.C. 1255	6.4	0.95	2	3 55 53.09	+1.275	0.95	2	57 28 39.69	+10.34
122	B.A.C. 1271	4.8	0.06	2	3 59 10.14	+0.958	0.06	3	61 26 56.34	+10.12
123	B.A.C. 1278	6.7	0.65	3	4 1 31.35	-0.411	0.65	3	71 31 57.30	+9.91
124	B.A.C. 1284	5.8	0.92	1	4 3 56.28	+2.921	0.92	1	7 16 12.97	+9.70
125	B.A.C. 1288	6.2	0.96	1	4 4 28.19	+1.850	0.96	2	46 12 52.08	+9.69
126	♄ Eridani	4.1	0.00	5	4 5 25.48	+2.921	...	...	7 11	+9.70
127	B.A.C. 1319	6.8	0.65	3	4 8 44.56	-3.007	0.65	3	78 59 4.53	+9.35
128	B.A.C. 1317	6.8	0.10	1	4 10 6.63	+1.825	0.10	1	46 27 43.95	+9.26
129	B.A.C. 1327	7.3	0.06	2	4 11 51.70	+2.101	0.06	2	39 12 36.01	+9.12
130	♂ Tauri	4.0	0.39	3	4 15 19.44	+3.450	0.39	3	17 13 50.13	+8.84
131	B.A.C. 1359	7.5	0.94	1	4 16 10.12	+0.239	0.94	1	67 0 8.08	+8.78
132	B.A.C. 1375	7.3	0.96	1	4 20 21.62	+1.775	0.96	2	46 56 52.67	+8.45
133	♄ Tauri	3.7	0.00	3	4 20 54.65	+3.492	0.00	8	18 53 6.80	+8.38
134	♄ Tauri	3.6	0.76	1	4 21 7.70	+3.416	0.76	1	15 34 32.69	+8.40
135	B.A.C. 1387 (1st Star)	7.8	...	...	4 21 37	+1.174	0.05	1	57 22 17.32	+8.35
136	B.A.C. 1387 (2nd Star)	7	0.06	1	4 21 37.87	+1.174	0.06	2	57 22 14.40	+8.35
137	B.A.C. 1396 ...	6.2	0.52	2	4 23 13.23	+1.755	0.52	2	47 13 57.66	+8.23
138	B.A.C. 1416	5.6	0.06	1	4 27 29.04	+2.920	0.06	1	7 1 2.57	+7.88
139	♄ Tauri	1.0	0.00	15	4 28 20.92	+3.435	0.00	9	16 14 30.17	+7.64
140	B.A.C. 1467	5.6	0.05	1	4 38 3.36	+2.319	0.05	1	31 0 44.99	+7.03
141	B.A.C. 1469	4.3	0.06	1	4 38 54.16	+2.994	0.06	1	3 29 54.42	+6.96
142	B.A.C. 1471	7.0	0.10	1	4 38 56.71	+2.410	0.10	1	27 49 24.07	+6.96
143	B.A.C. 1480	6.7	0.02	1	4 40 56.67	+2.216	0.02	1	34 14 46.89	+6.79
144	B.A.C. 1489	5.4	0.06	2	4 42 21.84	+0.890	0.06	2	59 58 30.45	+6.67
145	B.A.C. 1487	5.8	0.08	1	4 42 36.21	+2.697	0.08	1	16 33 52.73	+6.66
146	B.A.C. 1499	6.7	0.05	1	4 44 30.35	+1.840	0.05	1	44 12 45.11	+6.49
147	B.A.C. 1507	4.3	0.06	1	4 46 24.67	+2.945	0.06	1	5 40 31.56	+6.34
148	B.A.C. 1511	5.9	0.10	1	4 46 39.95	+2.180	0.10	1	35 7 44.96	+6.32
149	B.A.C. 1513	6.7	0.02	1	4 47 2.77	+2.203	0.02	1	34 27 40.05	+6.30
150	B.A.C. 1529	5.4	0.08	1	4 49 54.26	+2.952	0.10	2	5 22 55.45	+6.05

the Royal Observatory, Cape of Good Hope, in 1868. 327

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
					^h ^m ^s	^s			[°] ['] ["]	["]
151	B.A.C. 1533	5·80°05	1	4	50 29·72	+2·006	0·05	1	—39 50 31·22	+ 6·00
152	B.A.C. 1548	6·90°07	3	4	53 18·76	+0·070	0·06	4	—66 53 10·29	+ 5·75
153	B.A.C. 1544	5·70°06	1	4	53 35·68	+2·836	0·06	1	—10 27 29·52	+ 5·74
154	B.A.C. 1556	6·40°10	1	4	55 18·41	—1·033	0·10	1	—72 37 31·48	+ 5·58
155	B.A.C. 1553	5·10°05	2	4	55 41·98	+2·600	0·05	2	—20 14 44·75	+ 5·56
156	B.A.C. 1587	5·2 ...	...	4	59 0	—1·791	0·07	2	—75 8 17·81	+ 5·27
157	B.A.C. 1569	5·4 ...	...	4	59 21	+1·570	0·11	1	—49 20 21·31	+ 5·25
158	ε Leporis	3·30°00	3	4	59 52·45	+2·536	...	...	—22 33	+ 5·14
159	B.A.C. 1579	5·20°08	1	5	0 14·18	+2·963	0·08	1	—4 50 3·13	+ 5·18
160	Lalande 9667	6·90°04	2	5	1 7·16	+2·872	0·04	2	—8 49 48·07	+ 5·11
161	B.A.C. 1588	2·90°02	2	5	1 21·66	+2·953	0·02	2	—5 15 34·45	+ 5·09
162	B.A.C. 1592	6·50°09	2	5	2 0·99	+2·871	0·09	2	—8 50 18·63	+ 5·03
163	B.A.C. 1597	4·40°06	1	5	2 49·87	+2·870	0·06	1	—8 55 31·78	+ 4·96
164	B.A.C. 1603	7 0°10	1	5	4 15·95	+1·928	0·10	1	—41 23 38·69	+ 4·84
165	B.A.C. 1618	6·80°07	2	5	7 12·67	+2·883	0·07	2	—8 18 20·24	+ 4·59
166	*	7·3 ...	...	5	8 11	+2·880	0·00	1	—8 21 32·29	+ 4·49
167	β Orionis	0·30°00	10	5	8 11·72	+2·880	0·00	1	—8 21 22·43	+ 4·49
168	B.A.C. 1640	6·70°07	2	5	10 49·61	+1·389	0·07	2	—52 10 54·21	+ 4·28
169	B.A.C. 1638	3·70°04	3	5	11 11·97	+2·912	0·04	3	—6 59 20·78	+ 4·25
170	B.A.C. 1652	7·00°03	2	5	12 36·32	+1·376	0·03	2	—52 19 44·46	+ 4·12
171	B.A.C. 1653	4·30°09	1	5	13 29·70	+2·762	0·09	1	—13 18 52·86	+ 4·05
172	B.A.C. 1660	4·70°06	2	5	15 1·47	+3·060	0·06	2	—0 30 54·99	+ 3·93
173	B.A.C. 1670 (as one mass)	5·3 ...	...	5	16 21	+2·463	0·11	1	—24 54 10·63	+ 3·81
174	B.A.C. 1674	7·50°76	1	5	16 21·67	+1·656	0·76	1	—47 10 54·94	+ 3·80
175	B.A.C. 1678	6·90°14	2	5	17 8·67	+3·049	0·14	2	—0 59 33·13	+ 3·74
176	B.A.C. 1686	8 0°10	1	5	17 34·91	+1·781	0·10	1	—44 30 10·40	+ 3·70
177	B.A.C. 1680	4·30°04	3	5	17 35·48	+2·888	0·04	3	—7 55 52·93	+ 3·70
178	B.A.C. 1691	7·10°05	3	5	18 16·60	+1·405	0·05	3	—51 42 15·69	+ 3·64
179	116 Tauri	5·50°84	1	5	20 10·61	+3·443	0·84	1	+15 45 38·49	+ 3·46
180	B.A.C. 1708	6·60°08	1	5	20 55·86	+2·792	0·08	1	—12 0 49·59	+ 3·41

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
181	B.A.C. 1713	6·9	0·10	1	^{h m s} 5 22 6·28	+2·409	0·10	1	—26 41 44·39	+ 3·31
182	B.A.C. 1724	5·7	..	...	5 23 42	+2·065	0·11	1	—37 20 30·44	+ 3·17
183	119 Tauri	4·6	0·09	2	5 24 28·50	+3·517	0·09	2	+18 29 36·69	+ 3·12
184	8 Orionis	2·4	0·00	13	5 25 15·86	+3·064	...	...	— 0 24	+ 3·00
185	B.A.C. 1732	5·4	0·14	2	5 25 28·64	+2·566	0·14	2	—20 57 46·85	+ 3·02
186	B.A.C. 1738	7·5	0·10	1	5 26 12·21	+1·646	0·11	2	—47 10 41·43	+ 2·95
187	B.A.C. 1740	5·6	0·09	3	5 26 31·73	+1·645	0·09	3	—47 10 26·31	+ 2·93
188	a Leporis	2·7	0·00	5	5 26 54·51	+2·646	...	...	—17 55	+ 2·90
189	B.A.C. 1753	5·6	0·10	1	5 28 23·97	+2·138	0·10	1	—35 13 53·81	+ 2·77
190	e Orionis	1·8	0·00	11	5 29 31·04	+3·041	...	...	— 1 17	+ 2·66
191	ζ Tauri	3·0	0·28	7	5 29 45·39	+3·586	0·28	7	+21 3 33·71	+ 2·63
192	B.A.C. 1779	6·3	0·76	1	5 31 7·45	+1·178	0·76	1	—54 59 26·02	+ 2·53
193	B.A.C. 1781	6·7	...	...	5 31 54	+2·138	0·11	1	—35 8 42·47	+ 2·46
194	B.A.C. 1780	3·7	0·02	1	5 32 7·14	+3·011	0·02	1	— 2 40 43·08	+ 2·45
195	B.A.C. 1789	6·0	0·04	3	5 32 56·68	+2·988	0·04	3	— 3 38 24·82	+ 2·37
196	Lalande 10705 ...	8·5	0·14	1	5 33 17·07	+3·026	0·14	1	— 2 0 4·26	+ 2·34
197	B.A.C. 1795	6·8	0·09	3	5 33 31·39	+0·650	0·09	3	—61 15 26·61	+ 2·32
198	B.A.C. 1794	1·9	0·10	2	5 34 5·99	+3·026	0·10	2	— 2 0 52·27	+ 2·28
199	a Columbae	2·7	0·00	6	5 34 52·11	+2·178	0·00	3	—34 8 43·96	+ 2·20
200	B.A.C. 1809	6·6	0·10	1	5 36 37·13	+2·193	0·10	1	—33 28 2·89	+ 2·05
201	B.A.C. 1815	6·6	0·40	2	5 36 55·22	—0·008	0·40	2	—66 38 3·77	+ 2·02
202	B.A.C. 1840	3·7	0·06	1	5 40 58·52	+2·718	0·06	1	—14 52 22·16	+ 1·67
203	B.A.C. 1842	7·3	...	...	5 41 3	+1·980	0·11	1	—39 22 1·67	+ 1·66
204	B.A.C. 1843	2·2	0·04	4	5 41 29·76	+2·844	0·04	4	— 9 43 6·50	+ 1·63
205	B.A.C. 1858	7·3	0·11	2	5 43 20·32	+1·886	0·11	2	—41 38 9·11	+ 1·46
206	B.A.C. 1860	5·7	0·13	4	5 44 22·70	+2·506	0·13	4	—23 0 49·47	+ 1·38
207	B.A.C. 1864	5·3	0·02	1	5 44 59·59	+2·896	0·02	1	— 7 33 20·30	+ 1·32
208	B.A.C. 1873	6·4	0·05	3	5 45 44·07	+1·743	0·05	3	—44 54 53·19	+ 1·26
209	χ ¹ Orionis	4·7	0·64	3	5 46 33·98	+3·552	0·64	3	+20 14 54·79	+ 1·09
210	B.A.C. 1898	5·6	...	...	5 47 43	—4·974	0·12	1	—80 33 51·75	+ 2·16

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
211	α Orionis.....	Var. 0°00	5	5 48 1°54	+3°246	0°00	5	+ 7° 22' 48" 64	+ 1°06	
212	B.A.C. 1892	7°1 ...	...	5 48 22	+2°008	0°11	1	-38 33 19°09	+ 1°03
213	B.A.C. 1901	3°7 0°06	1	5 50 23°52	+2°734	0°06	1	-14 11 37°43	+ 0°85	
214	B.A.C. 1906	4°9 0°06	2	5 50 57°39	+2°061	0°06	2	-37 8 27°51	+ 0°80	
215	B.A.C. 1919	7°0 0°04	2	5 52 44°45	+2°851	0°04	2	- 9 23 43°91	+ 0°65	
216	B.A.C. 1920	5°1 0°11	5	5 52 48°31	+2°847	0°11	5	- 9 34 8°84	+ 0°64	
217	B.A.C. 1936	4°8 0°02	1	5 55 37°93	+2°822	0°02	1	-10 36 7°78	+ 0°39	
218	B.A.C. 1940	7°3 0°07	3	5 55 55°86	+1°408	0°07	3	-51 13 53°27	+ 0°36	
219	χ^4 Orionis	4°8 0°91	2	5 56 4°70	+3°562	0°91	2	+20 8 19°55	+ 0°37	
220	B.A.C. 1941	5°4 ...	...	5 56 29	+2°174	0°11	1	-33 54 50°48	+ 0°32
221	B.A.C. 1954	7°3 0°35	3	5 58 33°59	+0°924	0°35	3	-58 6 15°68	+ 0°13	
222	B.A.C. 1955	4°9 0°08	1	5 59 5°75	+2°676	0°08	1	-16 28 36°52	+ 0°09	
223	B.A.C. 1956	5°9 0°05	3	5 59 13°04	+2°831	0°05	3	-10 14 8°38	+ 0°08	
224	ν Orionis	4°4 0°00	6	6 0 2°13	+3°426	0°00	2	+14 46 54°47	- 0°01	
225	B.A.C. 1959	4°6 0°14	2	6 0 10°95	+2°716	0°14	2	-14 55 31°63	- 0°00	
226	B.A.C. 1961	6°9 0°02	1	6 0 41°15	+2°808	0°02	1	-11 9 38°73	- 0°05	
227	B.A.C. 1972	6°9 0°05	1	6 1 21°68	+1°564	0°05	1	-48 26 49°48	- 0°11	
228	B.A.C. 1993	6°6 0°16	1	6 4 41°61	+1°766	0°14	2	-44 20 6°78	- 0°40	
229	B.A.C. 1994	5°0 0°07	4	6 5 26°39	+2°919	0°07	4	- 6 31 19°47	- 0°46	
230	B.A.C. 2003	5°8 0°26	4	6 6 0°14	+0°067	0°31	3	-66 1 16°26	- 0°52	
231	B.A.C. 2006	6°2 0°04	3	6 6 52°18	+1°724	0°04	3	-45 15 11°49	- 0°59	
232	η Geminorum	Var. 0°50	4	6 6 54°57	+3°624	0°50	4	+22 32 32°50	- 0°60	
233	B.A.C. 2015	4°0 0°05	2	6 8 25°10	+2°926	0°05	2	- 6 14 10°55	- 0°72	
234	B.A.C. 2027	6°4 0°14	2	6 10 52°26	+2°309	0°14	2	-29 44 43°12	- 0°94	
235	B.A.C. 2030	6°5 0°10	2	6 11 23°03	+2°821	0°10	2	-10 40 42°11	- 0°98	
236	B.A.C. 2040	5°1 0°04	3	6 13 21°35	+2°890	0°04	3	- 7 46 10°82	- 1°16	
237	B.A.C. 2052	6°7 0°04	3	6 14 57°00	+1°322	0°04	3	-52 40 48°50	- 1°30	
238	μ Geminorum	3°2 0°00	9	6 14 58°44	+3°632	0°00	6	+22 34 41°91	- 1°42	
239	B.A.C. 2055	6°9 0°09	3	6 15 33°23	+1°466	0°09	3	-50 18 15°10	- 1°35	
240	B.A.C. 2061	2°0 0°11	2	6 16 53°18	+2°641	0°11	2	-17 53 31°42	- 1°47	

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
241	B.A.C. 2068	7·60	0·16	1	h m s 6 17 19·96	+1·752	0·16	1	° ′ ″ -44 41 49·53	- 1·51
242	B.A.C. 2079	6·20	0·14	3	6 19 26·16	+2·082	0·14	3	-36 38 23·65	- 1·70
243	B.A.C. 2087	6·90	0·04	5	6 20 28·55	+2·973	0·04	5	4 16 44·71	- 1·78
244	B.A.C. 2088	6·10	0·17	2	6 20 30·74	+3·068	0·17	2	0 11 56·26	- 1·78
245	B.A.C. 2093	5·80	0·06	3	6 20 34·50	+1·075	0·06	3	-56 17 56·64	- 1·79
246	γ Geminorum	4·00	0·54	2	6 21 7·51	+3·562	0·54	2	+20 17 35·31	- 1·84
247	B.A.C. 2099	7·30	0·14	1	6 22 3·12	+3·061	0·14	1	0 29 23·10	- 1·91
248	B.A.C. 2105 A. ...	4·00	0·13	1	6 22 25·12	+2·910	0·13	1	6 57 2·32	- 1·95
249	B.A.C. 2105 A.B.C. ...	3·90	0·08	1	6 22 25·27	+2·910	0·08	1	6 57 4·68	- 1·95
250	B.A.C. 2105 B.C. ...	7·00	0·12	1	6 22 25·50	+2·910	0·12	2	6 57 6·53	- 1·95
251	B.A.C. 2122	8·00	0·10	1	6 24 49·83	+1·945	0·10	1	-40 17 12·14	- 2·16
252	B.A.C. 2136	5·70	0·14	2	6 26 31·03	+2·136	0·14	2	-35 9 59·27	- 2·31
253	B.A.C. 2142	6·80	0·04	3	6 26 33·91	+0·567	0·04	3	-62 3 47·96	- 2·32
254	B.A.C. 2145	5·40	0·11	2	6 26 36·12	-0·502	0·11	2	-69 36 50·36	- 1·90
255	B.A.C. 2141	6·9	...	...	6 27 1	+2·078	0·16	1	-36 50 55·29	- 2·35
256	B.A.C. 2147	5·90	0·19	1	6 27 42·69	+2·245	0·19	1	-31 56 3·20	- 2·41
257	B.A.C. 2158	5·3	...	...	6 29 12	+2·104	0·11	1	-36 8 4·44	- 2·54
258	γ Geminorum	2·00	0·00	9	6 30 5·16	+3·466	0·00	6	+16 30 33·06	- 2·57
259	Piazzi VI. 178 ...	8·0	...	...	6 30 35	+2·628	0·14	1	-18 33 9·62	- 2·66
260	B.A.C. 2168	6·50	0·10	3	6 30 36·03	+2·628	0·10	3	-18 33 12·83	- 2·66
261	B.A.C. 2171	4·30	0·18	1	6 30 55·62	+2·612	0·18	1	-19 8 37·05	- 2·69
262	B.A.C. 2174	4·70	0·12	1	6 32 5·15	+2·639	0·12	1	-18 7 28·44	- 2·79
263	B.A.C. 2193	5·00	0·09	2	6 35 6·33	+1·600	0·09	2	-48 6 10·14	- 3·05
264	B.A.C. 2195	7·00	0·19	1	6 35 27·24	+2·039	0·19	1	-38 2 15·52	- 3·08
265	α Canis Majoris ...	1·40	0·00	28	6 39 19·69	+2·645	0·00	30	-16 32 14·14	- 4·64
266	α Canis Majoris B. ...	...	...	...	...	...	0·00	1	20·90	...
267	B.A.C. 2250	5·70	0·08	1	6 44 44·24	+1·171	0·08	1	-55 23 37·90	- 3·89
268	B.A.C. 2244	6·50	0·04	2	6 44 49·40	+2·399	0·04	2	-27 10 57·62	- 3·89
269	B.A.C. 2251	5·70	0·13	2	6 45 23·92	+2·267	0·13	2	-31 33 13·96	- 3·94
270	Piazzi VI. 262....	7·7	...	...	6 45 27	+2·267	0·10	1	-31 32 59·39	- 3·94

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868 ^o .	Annual Variation 1865 ^o .	Fraction of Year.	No. of Obs.	Mean Dec. 1868 ^o .	Annual Variation 1865 ^o .
271	B.A.C. 2258	6 ^h 10 ^m 21 ^s	1	1	6 47 3 ^{h m s} 16	+2 ^s 118	0 ^h 21	1	—36° 4' 14 ^h 81	— 4 ^h 08
272	B.A.C. 2263	4 40 15	2	2	6 47 50 52	+2 595	0 15	2	—20 3 45 17	— 4 14
273	B.A.C. 2264	4 20 11	3	3	6 48 3 42	+2 796	0 11	3	—11 52 29 64	— 4 16
274	B.A.C. 2268	6 70 07	3	3	6 48 31 48	+1 881	0 07	3	—42 20 34 96	— 4 21
275	B.A.C. 2269	5 90 14	2	2	6 49 20 68	+2 591	0 14	2	—20 14 16 36	— 4 27
276	B.A.C. 2272	4 50 19	1	1	6 49 54 06	+2 598	0 19	1	—19 58 11 79	— 4 32
277	B.A.C. 2282	6 30 16	1	1	6 52 1 26	+2 154	0 16	1	—35 10 6 82	— 4 50
278	ε Canis Majoris ..	1 50 00	16	6	53 26 22	+2 358	0 00	1	—28 47 37 74	— 4 64
279	ζ Geminorum	Var. 0 44	7	6	56 16 67	+3 566	0 44	7	+20 45 39 86	— 4 88
280	γ Canis Majoris ..	4 10 00	13	6	57 47 19	+2 716	0 00	1	—15 26 22 44	— 4 99
281	B.A.C. 2328	5 50 16	1	1	6 59 54 43	+1 851	0 16	1	—43 25 33 70	— 5 17
282	B.A.C. 2344	6 00 21	1	7	2 47 87	+1 966	0 21	1	—40 41 16 79	— 5 42
283	B.A.C. 2348	5 10 09	2	7	3 40 32	+2 982	0 09	2	— 4 1 57 83	— 5 49
284	B.A.C. 2353	6 00 07	3	7	4 3 41	+1 440	0 07	3	—51 45 42 91	— 5 53
285	B.A.C. 2358	4 00 15	1	7	5 7 44	+3 066	0 15	1	— 0 16 33 67	— 5 61
286	B.A.C. 2366	7 50 12	1	7	6 33 30	+3 071	0 12	1	— 0 2 16 92	— 5 73
287	B.A.C. 2372	7 10 19	1	7	6 53 72	+2 040	0 19	1	—38 53 6 16	— 5 76
288	B.A.C. 2371	6 60 18	1	7	6 58 95	+2 315	0 18	1	—30 36 8 23	— 5 77
289	B.A.C. 2388	4 50 58	1	7	8 52 41	+2 443	0 08	1	—26 7 35 23	— 5 88
290	B.A.C. 2396	7 00 17	1	7	9 19 80	+1 185	0 17	1	—55 56 2 49	— 5 97
291	B.A.C. 2394	7 50 21	1	7	9 30 94	+2 323	0 21	1	—30 25 43 90	— 5 98
292	λ Geminorum	3 60 23	7	7	10 30 39	+3 457	0 22	8	+16 46 33 91	— 6 06
293	B.A.C. 2402	6 90 13	2	7	10 41 60	+1 354	0 13	2	—53 26 24 92	— 6 08
294	8 Geminorum	3 70 00	1	7	12 14 29	+3 592	0 00	3	+22 13 21 09	— 6 22
295	B.A.C. 2418	4 30 15	1	7	13 13 88	+2 492	0 15	1	—24 42 53 70	— 6 28
296	B.A.C. 2430	7 50 18	1	7	14 32 81	+2 090	0 18	1	—37 47 49 33	— 6 40
297	B.A.C. 2436	6 70 14	2	7	15 38 99	+2 465	0 14	2	—25 38 42 95	— 6 49
298	B.A.C. 2437	5 80 10	3	7	15 56 96	+2 945	0 10	3	— 5 43 58 80	— 6 51
299	B.A.C. 2445 (1st Star)	6 80 17	2	7	17 10 42	+1 452	0 17	2	—52 4 8 20	— 6 62
300	B.A.C. 2445 (2nd Star)	7 0	7	17 11	+1 452	0 17	2	—52 3 58 67	— 6 62

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
					^h ^m ^s	^s			[°] ['] ^{''}	^{''}
301	B.A.C. 2446	7.5	0.10	1	7 17 33.33	+2.290	0.10	1	31 47 38.58	- 6.65
302	B.A.C. 2449	5.6	0.21	1	7 17 57.90	+2.294	0.25	2	31 40 16.58	- 6.68
303	B.A.C. 2461	5.3	0.10	1	7 19 40.33	+2.301	0.10	1	31 33 3.87	- 6.82
304	63 Geminorum ...	5.3	0.44	3	7 19 54.08	+3.571	0.44	3	21 42 45.63	- 6.91
305	B.A.C. 2470	5.8	0.11	5	7 21 39.38	+2.822	0.11	5	11 17 25.98	- 6.98
306	B.A.C. 2471	6.5	0.18	1	7 21 48.06	+2.230	0.18	1	33 52 35.05	- 7.00
307	B.A.C. 2476	5.0	0.19	1	7 22 58.45	+1.540	0.19	1	50 45 10.54	- 7.10
308	B.A.C. 2477 (1st Star)	7.0	0.10	2	7 23 46.80	+2.305	0.10	2	31 34 41.83	- 7.16
309	B.A.C. 2477 (2nd Star)	7.5	...	...	7 23 47	+2.305	0.10	1	31 34 35.22	- 7.16
310	B.A.C. 2479	5.6	0.14	2	7 24 31.48	+2.079	0.14	2	38 32 26.44	- 7.22
311	B.A.C. 2490	5.9	0.12	3	7 26 47.59	+1.460	0.12	3	52 22 35.12	- 7.41
312	B.A.C. 2496	6.7	0.17	1	7 27 31.85	+1.356	0.17	1	54 7 19.66	- 7.47
313	B.A.C. 2494	5.6	0.21	1	7 27 38.68	+2.510	0.21	1	24 25 43.92	- 7.47
314	B.A.C. 2497	5.9	0.21	2	7 28 44.07	+2.542	0.21	2	23 11 15.23	- 7.56
315	B.A.C. 2498	6.1	...	...	7 28 45	+2.542	0.21	2	23 11 18.66	- 7.56
316	B.A.C. 2508	4.4	0.18	1	7 30 5.03	+2.413	0.18	1	28 4 45.01	- 7.67
317	B.A.C. 2513	5.1	0.15	1	7 30 42.93	+2.990	0.15	1	3 49 2.54	- 7.72
318	B.A.C. 2515	7.0	0.19	1	7 30 43.09	+1.881	0.19	1	44 0 24.71	- 7.73
319	α Canis Minoris..	0.5	0.00	19	7 32 23.47	+3.145	...	...	5 34	- 8.89
320	B.A.C. 2524	4.9	0.08	1	7 32 23.71	+1.484	0.08	1	52 14 23.09	- 7.86
321	B.A.C. 2543	5.1	0.10	1	7 34 48.20	+2.115	0.10	1	38 0 18.24	- 8.05
322	B.A.C. 2542	4.2	0.21	1	7 34 56.57	+2.873	0.19	2	9 14 42.75	- 8.06
323	B.A.C. 2546	6.0	...	...	7 35 8	+2.118	0.10	1	37 57 27.39	- 8.08
324	B.A.C. 2552	6.6	0.14	3	7 35 49.26	+1.452	0.14	3	52 58 13.21	- 8.14
325	κ Geminorum	3.6	0.99	1	7 36 28.48	+3.631	0.99	1	24 42 43.19	- 8.23
326	β Geminorum	1.1	0.00	1	7 37 14.27	+3.682	0.00	1	28 22 35.76	- 8.30
327	B.A.C. 2561	5.8	0.26	2	7 38 22.11	+2.197	0.26	2	35 44 14.77	- 8.34
328	B.A.C. 2565	5.4	0.18	1	7 39 1.23	+2.522	0.18	1	24 21 29.55	- 8.39
329	B.A.C. 2568	7	0.14	2	7 39 2.27	+2.127	0.14	2	37 53 14.40	- 8.39
330	B.A.C. 2569 (1st Star)	8	...	...	7 39 24	+2.763	0.13	1	14 22 1.73	- 8.42

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
					^{h m s}	^s			^{° ' "}	
331	B.A.C. 2569 (2nd Star)	7·5	0·12	1	7 39 24·83	+2·763	0·12	2	14 22 17·87	— 8·42
332	B.A.C. 2575	6·8	0·26	1	7 39 52·00	+2·138	0·26	1	37 37 35·09	— 8·46
333	B.A.C. 2593 ...	6·9	0·14	2	7 42 0·28	+2·069	0·14	2	39 44 10·04	— 8·63
334	B.A.C. 2599 ...	6·3	0·21	1	7 43 28·91	+2·522	0·21	1	24 35 1·19	— 8·47
335	B.A.C. 2601	5·7	0·17	1	7 43 43·33	+2·707	0·17	1	16 53 38·61	— 8·76
336	B.A.C. 2623 ...	6·2	0·16	4	7 45 30·34	+1·287	0·19	3	56 8 26·13	— 8·90
337	B.A.C. 2619	6·8	0·18	2	7 45 30·49	+2·807	0·18	2	12 29 0·12	— 8·90
338	B.A.C. 2622	5·5	0·13	2	7 45 39·51	+2·781	0·13	2	13 32 57·58	— 9·24
339	B.A.C. 2626	5·6	0·17	1	7 46 16·53	+1·295	0·13	2	56 4 39·89	— 8·97
340	B.A.C. 2627 ...	6·9	0·23	1	7 46 30·85	+1·908	0·23	1	44 14 42·00	— 8·98
341	B.A.C. 2634	3·7	0·22	2	7 47 40·75	+2·063	0·22	2	40 14 11·84	— 9·07
342	B.A.C. 2637	5·4	0·18	1	7 48 12·40	+2·207	0·18	1	36 1 20·98	— 9·11
343	1 Cancri.....	5·9	0·92	1	7 49 29·74	+3·418	0·92	1	16 8 25·43	— 9·21
344	B.A.C. 2651	6·8	0·14	2	7 51 7·02	+2·391	0·14	2	29 56 1·50	— 9·34
345	B.A.C. 2652	4·3	0·21	1	7 51 10·96	+2·582	0·21	1	22 31 45·22	— 9·34
346	B.A.C. 2656	5·5	0·10	2	7 52 9·07	+1·258	0·10	2	56 57 14·93	— 9·42
347	B.A.C. 2661	5·2	0·13	2	7 53 0·97	+1·944	0·13	2	43 45 22·59	— 9·49
348	B.A.C. 2668	4·9	0·25	1	7 54 30·57	+3·051	0·25	1	1 1 41·60	— 9·60
349	B.A.C. 2671	5·2	0·29	1	7 54 48·84	+2·125	0·29	1	38 56 10·38	— 9·62
350	B.A.C. 2685	6·6	0·23	2	7 56 47·65	+2·195	0·23	2	36 55 6·44	— 9·78
351	B.A.C. 2709	6·4	0·12	1	7 58 26·68	+1·408	0·12	1	55 5 12·54	— 9·90
352	B.A.C. 2708	6·7	0·16	2	7 58 49·87	+2·664	0·16	2	19 21 19·54	— 9·93
353	B.A.C. 2717	7·5	0·17	2	7 59 58·04	+2·314	0·17	2	33 13 2·56	— 10·02
354	μ ² Cancri.....	5·3	0·32	4	7 59 59·57	+3·543	0·32	4	21 57 46·73	— 10·04
355	B.A.C. 2719	6·6	...	...	8 0 40	+2·316	0·17	2	33 11 35·99	— 10·07
356	B.A.C. 2723	5·1	0·23	1	8 1 28·48	+2·648	0·23	1	20 10 28·22	— 10·13
357	B.A.C. 2725	4·5	0·25	1	8 1 57·65	+3·020	0·25	1	2 36 2·07	— 10·17
358	B.A.C. 2739	6·1	0·29	1	8 3 26·18	+2·745	0·29	1	15 51 48·65	— 10·28
359	ζ Cancri	5·0	0·10	4	8 4 38·36	+3·456	0·10	4	18 2 37·42	— 10·47
360	B.A.C. 2752	5·9	0·20	3	8 5 13·43	+1·790	0·20	3	48 17 47·99	— 10·41

334 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
361	B.A.C. 2758	6·8	0·21	3	^h 8 ^m 6 ^s 9·23	+ 2·217	0·21	3	—36 54 4·22	—10·48
362	B.A.C. 2762	4·3	0·16	3	8 6 38·48	+ 2·143	0·16	3	—39 13 33·40	—10·52
363	B.A.C. 2772	7·3	0·10	1	8 7 32·93	+ 2·230	0·10	1	—36 35 40·94	—10·59
364	B.A.C. 2779	7·5	0·16	1	8 9 11·22	+ 1·530	0·16	1	—53 45 0·28	—10·71
365	B.A.C. 2780	4·3	0·23	1	8 9 21·75	+ 2·125	0·23	1	—39 56 45·43	—10·72
366	B.A.C. 2785	6·8	0·27	2	8 11 20·00	+ 2·755	0·27	2	—15 52 40·92	—10·86
367	B.A.C. 2797	6·9	0·23	3	8 15 1·99	+ 1·847	0·23	3	—47 47 2·91	—11·14
368	A Octantis S.P. ...	7·8	0·32	1	8 15 11·84	—38·365	...	...	—88 29	—11·24
369	B.A.C. 2808	6·9	0·20	2	8 16 17·00	+ 1·678	0·20	2	—51 31 36·79	—11·23
370	B.A.C. 2811	5·7	0·17	3	8 17 15·22	+ 2·535	0·17	3	—25 55 35·46	—11·30
371	B.A.C. 2820	6·9	0·10	1	8 18 24·12	+ 2·217	0·10	1	—37 51 42·10	—11·38
372	B.A.C. 2825	3·9	0·25	1	8 19 3·90	+ 3·005	0·25	1	—3 28 38·31	—11·43
373	B.A.C. 2827	5·5	0·20	2	8 19 21·52	+ 2·592	0·20	2	—23 37 9·18	—11·45
374	B.A.C. 2828	8·3	...	...	8 19 24	+ 2·592	0·10	1	—23 37 6·89	—11·45
375	B.A.C. 2843	7·5	0·26	1	8 21 58·07	+ 2·412	0·26	1	—31 14 19·36	—11·64
376	B.A.C. 2858	7·0	0·20	3	8 24 3·24	+ 1·550	0·20	3	—54 34 28·56	—11·79
377	η Cancri.....	5·5	0·00	3	8 25 4·37	+ 3·479	0·00	3	+20 53 15·76	—11·91
378	Piazzi VIII. 94...	5·4	0·14	3	8 25 27·51	+ 2·700	0·14	3	—19 3 40·03	—11·88
379	B.A.C. 2910	7·3	0·29	1	8 31 26·03	+ 2·558	0·29	1	—25 57 25·56	—12·30
380	B.A.C. 2915	6·4	0·21	3	8 31 55·54	+ 1·793	0·21	3	—50 30 45·20	—12·34
381	B.A.C. 2916	5·1	0·23	2	8 32 13·88	+ 2·563	0·23	2	—25 47 38·07	—12·35
382	B.A.C. 2929	5·2	0·18	4	8 33 46·27	+ 2·847	0·19	3	—12 0 37·28	—12·49
383	B.A.C. 2932	4·9	0·13	1	8 34 13·75	+ 2·490	0·13	1	—29 5 32·78	—12·49
384	B.A.C. 2933	6·7	0·26	1	8 34 18·98	+ 2·309	0·26	1	—36 8 36·13	—12·50
385	γ Cancri.....	4·8	...	...	8 35 39	+ 3·483	0·32	1	+21 56 29·29	—12·61
386	δ Cancri.....	4·3	0·18	6	8 37 10·85	+ 3·423	0·27	7	+18 38 15·12	—12·93
387	ε Hydre	3·6	0·00	3	8 39 47·08	+ 3·184	...	...	+ 6 54	—12·91
388	B.A.C. 2975	4·4	0·18	2	8 40 8·42	+ 2·835	0·18	2	—13 3 59·32	—12·89
389	B.A.C. 2987	5·1	0·17	1	8 42 43·65	+ 3·019	0·16	2	—2 57 16·46	—13·07
390	B.A.C. 3010	4·3	0·26	1	8 44 55·78	+ 2·555	0·26	1	—27 13 17·08	—13·21

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868 ^o .	Annual Variation 1865 ^o .	Fraction of Year.	No. of Obs.	Mean Dec. 1868 ^o .	Annual Variation 1865 ^o .
					h m s	s				
391	B.A.C. 3011	5.5	0.14	1	8 45 5.29	+2.953	0.14	1	6° 41' 3".01	-13".22
392	B.A.C. 3036	5.7	0.21	3	8 48 14.43	+1.535	0.21	3	57 8 14.13	-13.43
393	B.A.C. 3037	7.5	...	...	8 49 1	+2.943	0.15	1	7 27 58.66	-13.48
394	B.A.C. 3039	7	0.15	1	8 49 1.07	+2.943	0.16	2	7 28 3.06	-13.48
395	α Cancri	4.3	0.30	6	8 51 15.99	+3.291	0.30	7	+12 22 2.62	-13.65
396	B.A.C. 3065	5.9	0.14	1	8 52 32.15	+2.802	0.14	1	15 37 49.04	-13.70
397	B.A.C. 3070	6.8	0.26	1	8 53 39.60	+2.550	0.26	1	28 17 41.49	-13.78
398	B.A.C. 3096	6.6	0.21	3	8 57 22.01	+2.627	0.21	3	24 59 1.10	-14.01
399	κ Cancri	5.0	0.63	2	9 0 35.66	+3.256	0.52	3	+11 11 53.01	-14.22
400	B.A.C. 3120	5.5	0.13	3	9 2 14.61	+2.939	0.13	3	8 3 23.69	-14.31
401	B.A.C. 3121	4.8	0.25	3	9 2 15.24	+2.629	0.25	3	25 19 37.01	-14.31
402	B.A.C. 3127	7.5	0.29	1	9 3 58.00	+2.634	0.29	1	25 16 5.76	-14.42
403	B.A.C. 3137	6.1	0.17	1	9 5 54.90	+2.966	0.17	1	6 34 12.30	-14.53
404	B.A.C. 3156	5.3	0.25	1	9 9 29.04	+2.236	0.25	1	42 40 53.43	-14.75
405	B.A.C. 3160	5.4	0.09	1	9 10 8.47	+2.980	0.09	1	5 48 12.58	-14.79
406	B.A.C. 3161	5.5	0.15	1	9 10 13.37	+2.939	...	...	8 12	-14.74
407	B.A.C. 3167	5.2	0.20	2	9 10 23.02	+1.783	0.20	2	55 1 24.68	-14.80
408	B.A.C. 3165	4.7	0.26	1	9 10 28.08	+2.395	0.26	1	36 51 48.16	-14.81
409	δ Cancri	6.6	0.00	3	9 11 36.58	+3.356	0.00	3	+18 15 48.25	-15.04
410	β Argûs	1.7	0.85	8	9 11 44.26	+0.689	0.85	6	69 10 24.01	-14.79
411	β Argûs S.P. ....	...	...	...	...	...	0.87	3	26.83	...
412	B.A.C. 3184	4.9	0.25	1	9 13 24.97	+2.892	0.25	1	11 25 8.01	-14.98
413	B.A.C. 3188	4.9	0.17	1	9 14 2.18	+2.932	0.17	1	8 59 50.94	-15.01
414	ζ Octantis	5.5	0.37	1	9 15 18.81	-7.214	0.37	2	85 7 48.68	-15.12
415	B.A.C. 3208	6.4	0.26	2	9 17 34.97	+2.187	0.26	2	45 29 .5.90	-15.22
416	B.A.C. 3210	5.7	0.24	1	9 17 48.85	+1.833	0.24	1	54 57 17.23	-15.23
417	α Hydre	2.0	0.00	5	9 21 6.06	+2.949	...	...	8 5	-15.39
418	B.A.C. 3237	4.9	0.21	2	9 22 26.96	+3.040	0.21	2	2 11 35.67	-15.49
419	B.A.C. 3248	5.7	...	...	9 24 3	+2.661	0.26	1	26 0 45.40	-15.57
420	B.A.C. 3253	4.6	0.09	1	9 25 15.09	+3.063	0.09	1	0 36 10.61	-15.65

336 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
421	B.A.C. 3257	3.5	0.29	1	^{h m s} 9 25 30.19	^s +2.348	0.29	1	—39° 53' 24".09	—15".59
422	B.A.C. 3262	6.0	0.23	3	9 25 53.56	+2.564	0.23	3	—31 17 27.52	—15.68
423	B.A.C. 3266	7	0.33	1	9 26 31.53	+0.635	0.33	1	—71 12 17.41	—15.72
424	B.A.C. 3271	5.7	0.28	4	9 27 57.51	+2.995	0.28	4	—5 19 36.40	—15.79
425	B.A.C. 3291	5.5	0.23	1	9 30 35.86	+0.501	0.23	1	—72 29 46.66	—15.94
426	B.A.C. 3293	6.7	0.36	1	9 31 23.26	+2.946	...	...	—8 50	—15.98
427	B.A.C. 3303	4.2	0.26	1	9 33 6.93	+3.064	0.26	1	—0 32 41.09	—16.07
428	B.A.C. 3311	4.9	0.23	2	9 33 58.77	+2.877	0.23	2	—13 44 3.89	—16.11
429	♁ Leonis	3.8	0.20	3	9 34 6.26	+3.226	0.20	3	+10 29 29.89	—16.17
430	B.A.C. 3322	7	0.33	1	9 35 57.84	+1.284	0.33	1	—66 15 47.20	—16.22
431	B.A.C. 3326	5.4	0.29	1	9 36 38.73	+1.850	0.29	1	—57 23 3.02	—16.25
432	B.A.C. 3334	5.2	...	...	9 37 40	—1.492	0.25	2	—80 20 48.74	—16.34
433	B.A.C. 3332	4.9	0.34	1	9 38 19.05	+2.674	0.34	1	—27 9 59.47	—16.34
434	♁ Leonis	3.1	0.00	2	9 38 21.17	+3.420	...	...	+24 23	—16.36
435	B.A.C. 3340	6.7	0.36	1	9 39 33.66	+2.636	0.36	1	—29 35 46.70	—16.40
436	B.A.C. 3349	6.8	0.25	3	9 41 39.28	+2.984	0.25	3	—6 38 2.06	—16.50
437	B.A.C. 3369	6.7	0.33	1	9 44 19.83	+1.975	0.33	1	—55 47 53.37	—16.64
438	B.A.C. 3372	4.3	0.29	1	9 45 7.79	+2.884	0.29	1	—14 13 43.48	—16.67
439	B.A.C. 3378	5.3	0.26	3	9 45 58.49	+2.975	0.26	3	—7 29 3.10	—16.72
440	B.A.C. 3385	6.3	0.36	1	9 47 3.36	+2.703	0.36	1	—26 42 56.25	—16.77
441	B.A.C. 3403	6.9	0.26	2	9 50 25.15	+2.650	0.26	2	—30 27 54.22	—16.93
442	♂ Leonis	5.3	0.16	5	9 51 7.22	+3.235	0.16	5	+13 4 24.32	—16.96
443	B.A.C. 3417	5.3	0.29	1	9 53 12.56	+2.575	0.29	1	—35 15 35.95	—17.06
444	♂ Leonis	5.0	0.00	2	9 53 14.14	+3.177	...	...	+8 41	—17.09
445	B.A.C. 3424	7.8	0.34	2	9 55 2.45	+1.785	0.34	2	—61 41 9.20	—17.14
446	B.A.C. 3428	7.5	0.29	2	9 56 9.23	+2.918	0.29	2	—12 39 40.99	—17.19
447	B.A.C. 3444	4.7	0.25	2	9 58 41.92	+2.923	0.25	2	—12 25 31.34	—17.30
448	♂ Leonis	4.6	0.28	3	10 0 53.87	+3.189	0.28	3	+10 38 36.76	—17.40
449	B.A.C. 3461	5.2	0.23	1	10 0 57.69	+2.367	0.23	1	—46 43 32.34	—17.40
450	♂ Leonis	1.4	0.00	5	10 1 20.49	+3.203	0.00	3	+12 36 41.26	—17.41

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
					^h ^m ^s	^s				
451	C.G.A. 13804	7·5	0·27	1	10 1 32·79	+1·903	0·27	1	—60 31 48·51	—17·43
452	B.A.C. 3467.....	7·5	0·23	1	10 2 49·58	+1·912	0·23	1	—60 34 10·25	—17·49
453	B.A.C. 3470	6·2	0·20	3	10 3 34·09	+2·983	0·20	3	—7 45 38·24	—17·52
454	B.A.C. 3476	6·3	0·22	1	10 4 42·23	+2·997	0·22	1	—6 40 0·48	—17·57
455	B.A.C. 3494	6·7	0·36	1	10 7 34·94	+2·672	0·36	1	—32 22 51·74	—17·69
456	B.A.O. 3497	6·0	0·32	1	10 8 9·01	+2·553	0·32	1	—39 41 34·44	—17·72
457	B.A.C. 3504	7·3	0·27	1	10 8 37·87	+2·149	0·27	1	—55 55 58·80	—17·73
458	B.A.C. 3517	5·4	0·23	4	10 11 4·28	+2·993	0·24	5	—7 24 37·23	—17·83
459	B.A.C. 3521	5·5	0·22	1	10 12 4·79	+2·744	0·22	1	—28 19 57·47	—17·87
460	γ ¹ Leonis	2·4	0·00	4	10 12 41·52	+3·317	0·00	1	+20 30 28·92	—18·04
461	B.A.C. 3541	6·3	0·28	2	10 14 59·66	+1·858	0·28	2	—64 0 50·69	—17·98
462	B.A.C. 3553	6·8	0·32	1	10 16 51·58	+3·042	0·32	1	—2 58 34·62	—18·05
463	B.A.C. 3563	6·0	0·27	2	10 19 8·55	+3·008	0·27	2	—6 23 41·06	—18·14
464	B.A.C. 3566	6·9	0·29	1	10 19 40·56	+3·015	0·29	1	—5 45 23·76	—18·16
465	B.A.C. 3570	6·8	0·34	1	10 19 52·51	+3·069	0·34	1	—0 19 4·11	—18·17
466	B.A.C. 3582	6·4	0·22	1	10 22 2·59	+3·042	0·22	1	—3 4 3·36	—18·25
467	B.A.O. 3595.....	7·3	0·27	1	10 23 5·75	+2·238	0·27	1	—56 31 29·58	—18·28
468	B.A.C. 3603	6·4	0·36	1	10 24 22·28	+3·006	0·31	2	—6 57 40·08	—18·33
469	ρ Leonis	4·0	0·00	3	10 25 51·62	+3·166	0·00	5	+9 59 6·79	—18·41
470	B.A.C. 3611	8·3	0·27	2	10 26 15·99	+2·917	0·27	2	—16 16 36·53	—18·40
471	B.A.O. 3627	6·0	0·31	2	10 28 40·85	+2·857	0·31	2	—22 29 46·23	—18·48
472	B.A.C. 3632	6·6	0·22	1	10 29 50·06	+2·929	0·22	1	—15 39 41·41	—18·52
473	B.A.C. 3637	Var.	0·36	1	10 31 2·19	+2·958	0·36	1	—12 41 56·66	—18·56
474	B.A.C. 3646	5·2	0·27	2	10 32 9·02	+2·926	0·27	2	—16 11 30·16	—18·60
475	B.A.C. 3651	6·6	0·26	2	10 32 54·94	+2·319	0·26	2	—56 34 12·92	—18·62
476	B.A.O. 3656	7·4	0·23	1	10 33 45·77	+2·048	0·23	1	—64 21 20·52	—18·65
477	B.A.C. 3663	6·2	0·34	1	10 34 41·18	+3·063	0·34	1	—1 2 55·24	—18·68
478	B.A.C. 3674	6·9	0·22	1	10 36 32·68	+2·871	0·22	1	—22 51 30·78	—18·74
479	B.A.C. 3677	5·9	0·29	1	10 36 36·14	+2·773	0·29	1	—32 1 34·10	—18·74
480	η Argus	Var.	0·00	7	10 39 56·79	+2·308	0·00	9	—58 59 26·56	—18·75

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
481	B.A.C. 3697	5'4	0'34	2	10 40 24'16	+2'936	0'34	2	16° 36' 3''74	-18'85
482	B.A.C. 3703	6'4	0'25	1	10 41 12'98	+2'294	0'25	1	59 54 27'56	-18'88
483	l Leonis	5'3	0'00	4	10 42 19'04	+3'158	0'00	3	+11 14 35'64	-18'93
484	B.A.C. 3718	5'8	...	...	10 43 41	+3'010	0'22	1	8 11 52'44	-18'95
485	B.A.C. 3722	6'8	0'29	1	10 44 38'65	+2'934	0'29	1	17 37 59'29	-18'98
486	B.A.C. 3731	7'5	0'23	1	10 46 29'94	+2'482	0'23	1	54 26 16'74	-19'03
487	B.A.C. 3732	5'9	0'25	2	10 47 0'52	+3'062	0'25	2	1 25 40'16	-19'04
488	B.A.C. 3740	3'9	0'28	3	10 48 8'30	+2'409	0'28	3	58 9 8'45	-19'07
489	B.A.C. 3746	6'7	0'34	1	10 48 11'18	+1'514	0'34	1	75 10 54'29	-19'07
490	B.A.C. 3745	7	0'38	2	10 48 31'28	+2'750	0'38	2	38 3 6'42	-19'09
491	B.A.C. 3766	4'1	0'22	1	10 53 20'78	+2'950	0'22	1	17 35 46'56	-19'21
492	e Leonis	5'1	0'29	2	10 53 54'27	+3'118	0'29	2	+ 6 48 37'21	-19'26
493	B.A.C. 3771	7'0	0'33	1	10 53 55'70	+2'396	0'33	1	60 36 46'90	-19'22
494	B.A.C. 3775	5'0	0'25	2	10 55 5'62	+3'061	0'25	2	1 46 26'57	-19'25
495	B.A.C. 3783	6'8	0'25	1	10 56 58'89	+2'850	0'25	1	31 14 59'32	-19'30
496	B.A.C. 3786	6'9	0'35	2	10 57 34'24	+3'069	0'35	2	0 34 1'28	-19'31
497	χ Leonis	4'7	0'00	8	10 58 12'47	+3'098	0'00	5	+ 8 2 57'42	-19'40
498	B.A.C. 3805	4'8	0'33	1	11 1 8'14	+2'440	0'33	1	61 42 39'96	-19'39
499	B.A.C. 3807	7	0'25	2	11 1 32'45	+3'065	0'25	2	1 11 18'08	-19'40
500	B.A.C. 3816	6'9	0'31	1	11 2 29'35	+3'069	0'31	1	0 37 4'87	-19'42
501	B.A.C. 3826	4'4	0'29	3	11 5 10'07	+2'943	0'29	3	22 6 19'16	-19'48
502	B.A.C. 3828	6'9	0'35	2	11 5 31'85	+2'917	0'35	2	26 5 23'95	-19'49
503	B.A.C. 3835	4'7	0'33	1	11 6 56'86	+2'548	0'33	1	59 35 59'53	-19'52
504	δ Leonis	2'8	0'00	4	11 7 5'07	+3'203	...	...	+21 15	-19'66
505	C.G.A. 15414	6'9	0'32	1	11 9 27'88	+3'058	0'32	1	2 45 10'44	-19'57
506	B.A.C. 3848	4'5	0'25	2	11 9 57'05	+3'053	0'25	2	2.55 47'65	-19'62
507	B.A.C. 3855 ...	7'8	0'40	1	11 11 32'31	+3'050	0'40	1	4 20 26'93	-19'61
508	δ Hydre	3'9	0'00	8	11 12 44'59	+2'995	...	...	14...4	-19'45
509	B.A.C. 3860	6'8	0'34	2	11 13 45'78	+2'525	0'34	2	63.51 43'07	-19'65
510	σ Leonis	4'1	0'23	3	11 14 19'75	+3'098	0'23	3	+ 6 45 9'06	-19'67

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
					^h ^m ^s	^s			[°] ['] ["]	["]
511	B.A.C. 3874	5°00'29	2	11	16 49'20	+2°990	0°29	2	-18° 3' 16"44	-19"70
512	Lalande 21695 ...	8°00'32	1	11	16 55'44	+2°997	0°32	1	-16 53 47'47	-19'71
513	B.A.C. 3881	5°00'30	2	11	17 56'67	+3°028	0°30	2	-10 8 6'85	-19'72
514	B.A.C. 3883	4°20'41	4	11	18 17'39	+2°997	0°41	4	-16 57 32'10	-19'72
515	B.A.C. 3890	5°40'44	1	11	19 5'75	+2°903	0°44	1	-35 20 19'60	-19'73
516	B.A.C. 3899	5°60'31	4	11	20 39'81	+2°669	0°31	4	-60 23 20'04	-19'76
517	B.A.C. 3903	7°00'34	1	11	21 18'21	+3°071	0°34	1	0 10 15'05	-19'77
518	B.A.C. 3916	5°10'26	3	11	23 34'20	+3°063	0°26	3	-2 16 29'98	-19'82
519	B.A.C. 3920	6°90'39	2	11	25 13'86	+3°052	0°39	2	-5 44 21'29	-19'82
520	B.A.C. 3925	6°40'36	4	11	26 5'04	+3°048	0°36	4	-7 5 55'35	-19'83
521	B.A.C. 3926	5°40'41	2	11	26 22'71	+2°957	0°41	2	-30 21 29'92	-19'84
522	B.A.C. 3943	4°70'18	3	11	29 59'31	+3°044	0°18	3	-9 4 19'28	-19'88
523	Leonis.....	4°50'00	7	11	30 11'45	+3°069	0°00	1	-0 5 41'09	-19'86
524	B.A.C. 3955	6°70'34	1	11	31 39'42	+3°067	0°34	1	-1 42 20'04	-19'90
525	B.A.C. 3958	5°40'30	3	11	31 58'11	+2°776	0°30	3	-61 5 44'80	-19'90
526	B.A.C. 3969	5°00'38	3	11	35 8'69	+2°982	0°38	3	-31 45 57'84	-19'94
527	B.A.C. 3975.....	6°40'25	5	11	37 10'70	+3°059	0°25	5	-5 56 32'96	-19'95
528	B.A.C. 3978	4°90'35	5	11	38 4'46	+3°031	0°35	5	-17 36 59'21	-19'96
529	Virginia.....	4°20'18	2	11	39 4'50	+3°085	0°43	3	+7 16 8'86	-20°03
530	B.A.C. 3984.....	3°80'44	1	11	39 23'53	+2°800	0°44	1	-65 59 48'67	-19'97
531	B.A.C. 3988	5°10'34	1	11	40 13'65	+2°976	0°34	1	-39 46 54'20	-19'98
532	Virginia.....	3°70'18	6	11	43 49'23	+3°128	0°18	6	+2 30 31'40	-20°29
533	B.A.C. 4003	6°50'39	3	11	43 57'17	+3°024	0°39	3	-26 32 38'20	-20°01
534	B.A.C. 4006	5°70'30	6	11	44 17'40	+3°076	0°30	6	-4 35 55'78	-20°11
535	B.A.C. 4011	5°10'25	2	11	45 24'85	+2°892	0°25	2	-64 28 16'01	-20°01
536	B.A.C. 4020	8 0'39	2	11	47 7'24	+3°068	0°39	2	-3 2 25'73	-20°02
537	B.A.C. 4024	5°60'35	2	11	47 59'63	+3°040	0°35	2	-24 58 54'87	-20°03
538	B.A.C. 4025 ...	8°50'34	1	11	48 5'32	+3°071	0°34	1	0 42 19'62	-20°03
539	B.A.C. 4035	5°00'33	1	11	49 17'37	+3°053	0°33	1	-16 24 54'73	-20°03
540	B.A.C. 4037	6°40'42	1	11	50 21'72	+3°036	0°42	1	-32 34 49'31	-20°04

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
541	B.A.C. 4042	6·3	0·36	3	h m s 11 52 10·67	+3·050	0·36	3	—25° 10' 23" 10	—20" 04
542	B.A.C. 4048	5·1	0·17	2	11 53 6·48	+2·870	0·17	2	—77 29 10·99	—20' 07
543	C.Z. XI. 3666	8·5	...	...	11 53 16	+2·882	0·06	1	—77 27 40·03	—20' 06
544	B.A.C. 4051	7·1	0·31	2	11 53 32·54	+2·899	0·22	3	—77 27 27·00	—20' 05
545	π Virginis	4·4	0·93	1	11 54 6·37	+3·074	0·93	1	+ 7 21 2·00	—20' 06
546	B.A.C. 4053	5·1	0·41	4	11 54 6·38	+3·060	0·41	4	—18 55 26·43	—20' 05
547	B.A.C. 4054	6·6	0·21	4	11 54 16·38	+3·072	0·21	4	— 1 1 47·63	—20' 05
548	B.A.C. 4063	7·0	0·33	3	11 56 50·45	+3·070	0·33	3	— 4 44 37·28	—20' 05
549	B.A.C. 4077	6·4	0·40	4	11 59 14·36	+3·072	0·40	4	— 2 23 43·89	—20' 06
550	B.A.C. 4080	8	0·31	3	12 0 29·27	+3·071	0·31	3	— 6 1 50·94	—20' 06
551	B.A.C. 4090	4·3	0·39	3	12 1 36·54	+3·086	0·39	3	—23 59 31·78	—20' 10
552	Lacaille 5041	7·5	0·32	1	12 2 45·20	+3·090	0·32	1	—51 24 31·11	—20' 05
553	ε Corvi	3·1	0·00	8	12 3 20·35	+3·075	0·00	1	—21 53 4·74	—20' 05
554	B.A.C. 4101	5·3	0·18	1	12 4 16·19	+3·082	0·18	1	—22 51 59·24	—20' 05
555	B.A.C. 4103	4·2	0·27	1	12 4 46·03	+3·105	0·27	1	—51 38 1·02	—20' 05
556	B.A.C. 4113	6·0	0·43	2	12 6 33·60	+3·101	0·43	2	—38 11 40·00	—20' 05
557	B.A.C. 4119	6·6	0·25	2	12 7 29·88	+3·075	0·25	2	— 4 59 9·87	—20' 04
558	B.A.C. 4124	2·8	0·27	4	12 9 1·22	+3·088	0·27	4	—16 48 29·84	—20' 04
559	B.A.C. 4134	7·3	0·43	1	12 11 23·04	+3·076	0·43	2	— 3 13 15·80	—20' 03
560	B.A.C. 4135	6·5	0·43	2	12 11 23·38	+3·076	0·43	3	— 3 12 56·43	—20' 03
561	B.A.C. 4136	7·5	0·42	1	12 11 45·14	+3·081	0·42	1	— 8 10 6·21	—20' 03
562	η Virginis	4·1	0·00	8	12 13 9·23	+3·065	0·00	5	+ 0 4 2·48	—20' 06
563	B.A.C. 4149	6·5	0·32	1	12 13 20·99	+3·102	0·32	1	—21 26 29·54	—20' 02
564	B.A.C. 4157	5·4	0·37	1	12 14 7·03	+3·090	0·37	1	—12 49 58·40	—20' 02
565	B.A.C. 4158	3·5	0·36	1	12 14 15·23	+3·211	0·36	1	—59 40 16·57	—20' 02
566	B.A.C. 4198	6·9	0·44	2	12 20 58·38	+3·107	0·44	2	—15 54 3·26	—19' 97
567	B.A.C. 4200	5·7	0·39	1	12 21 5·29	+3·080	0·39	1	— 3 53 1·70	—19' 97
568	B.A.C. 4211	3·1	0·36	2	12 23 2·32	+3·110	0·36	2	—15 46 47·87	—19' 96
569	B.A.C. 4220	7·8	0·08	1	12 24 3·98	+3·080	0·08	1	— 3 19 50·20	—19' 95
570	B.A.C. 4221	6·4	0·08	1	12 24 18·81	+3·302	0·08	1	—58 41 36·64	—19' 94

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
					h m s	+ s			° ' "	— " "
571	B.A.C. 4225	6·5	0·15	1	12 24 51·63	+ 3·082	0·15	1	— 4 19 25·68	—19·94
572	β Corvi.....	2·8	0·00	10	12 27 27·41	+ 3·131	0·00	1	—22 39 57·46	—19·98
573	B.A.C. 4237	7	0·45	1	12 27 37·45	+ 3·065	0·45	1	— 0 40 46·52	—19·96
574	B.A.C. 4247	5·9	0·40	1	12 29 59·58	+ 3·087	0·40	1	— 5 6 13·66	—19·98
575	B.A.C. 4252	7·0	0·34	3	12 30 43·71	+ 3·328	0·34	3	—55 12 13·19	—19·88
576	Lacaille 5235.....	6·6	0·50	4	12 31 41·58	+13·940	0·50	2	—89 4 23·99	—19·88
577	Lacaille 5235 S.P. ...	0·50		3	43·88	...	0·49	1	27·82	...
578	B.A.C. 4257.....	4·7	0·12	2	12 32 26·23	+ 3·096	0·12	2	— 7 16 4·60	—19·90
579	B.A.C. 4266.....	6·8	0·45	1	12 34 40·12	+ 3·348	0·45	1	—54 2 10·84	—19·83
580	γ Virginis (1st Star)...	3·6	0·00	1	12 34 58·41	+ 3·037	0·00	1	— 0 43 27·34	—19·87
581	γ Virginis (as one mass)	2·8	0·00	10	12 34 58·38	+ 3·037	0·00	2	— 0 43 27·87	—19·87
582	B.A.C. 4269	7·0	0·32	1	12 35 8·31	+ 3·101	0·32	1	— 6 46 26·20	—19·85
583	B.A.C. 4272	4·6	0·33	1	12 35 17·77	+ 3·299	0·33	1	—48 5 14·53	—19·82
584	B.A.C. 4273.....	6·2	0·08	1	12 35 21·00	+ 3·366	0·08	1	—55 13 17·61	—19·82
585	B.A.C. 4278.....	5·9	0·40	1	12 36 58·64	+ 3·183	0·40	1	—27 35 56·11	—19·80
586	B.A.C. 4279	4·7	0·34	1	12 37 53·65	+ 3·455	0·34	1	—60 15 21·05	—19·78
587	B.A.C. 4294	6·1	0·12	3	12 40 44·35	+ 3·095	0·12	3	— 5 34 41·54	—19·74
588	B.A.C. 4297	5·9	0·35	4	12 41 24·40	+ 3·193	0·37	5	—26 52 25·45	—19·73
589	B.A.C. 4306	7·0	0·42	2	12 43 17·04	+ 3·102	0·42	2	— 6 54 44·12	—19·70
590	B.A.O. 4312	6·7	0·24	3	12 44 30·97	+ 3·115	0·24	3	— 9 37 7·93	—19·68
591	B.A.C. 4317	4·4	0·40	1	12 45 39·35	+ 3·367	0·40	1	—48 13 28·53	—19·66
592	B.A.C. 4323	6·2	0·14	1	12 46 25·77	+ 3·069	0·14	1	— 2 50 6·36	—19·68
593	B.A.C. 4330	5·0	0·25	2	12 47 29·52	+ 3·112	0·25	2	— 8 49 15·43	—19·66
594	B.A.O. 4333	5·6	0·08	1	12 48 11·58	+ 3·485	0·08	1	—56 7 8·59	—19·62
595	B.A.C. 4343	6·7	0·39	3	12 49 24·50	+ 3·210	0·39	3	—25 44 37·51	—19·59
596	B.A.C. 4352	5·9	0·19	3	12 52 51·73	+ 3·090	0·19	3	— 3 5 54·82	—19·49
597	B.A.C. 4355	6·4	0·42	3	12 53 19·43	+ 3·270	0·42	3	—32 47 23·58	—19·52
598	B.A.C. 4354	8·5	0·34	3	12 53 19·85	+ 3·852	0·34	3	—68 31 0·01	—19·52
599	B.A.C. 4358 ...	6·1	0·24	2	12 53 48·23	+ 3·087	0·24	2	— 2 39 26·36	—19·43
600	B.A.C. 4372	8·3	0·16	2	12 57 6·17	+ 3·636	0·16	1	—59 43 50·92	—19·44

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
					^h ^m ^s	^s			[°] ['] ["]	["]
601	B.A.C. 4373	6·6	0·43	3	12 57 6·39	+3·086	0·43	2	2 57 8·63	-19·46
602	B.A.C. 4382	8	0·44	2	12 59 29·16	+3·159	0·44	2	14 12 32·27	-19·39
603	B.A.C. 4381	5·6	0·35	2	12 59 37·76	+3·793	0·35	2	64 35 56·58	-19·38
604	B.A.C. 4391	5·2	0·15	1	13 0 59·27	+3·136	0·15	1	10 2 0·81	-19·37
605	B.A.C. 4396	6·8	0·40	1	13 2 42·52	+3·174	0·40	1	15 48 37·53	-19·31
606	B.A.C. 4397	6·3	0·43	3	13 2 50·87	+3·132	0·43	3	9 37 26·75	-19·31
607	θ Virginis	4·4	0·00	7	13 3 7·10	+3·099	0·00	7	4 49 59·98	-19·34
608	B.A.C. 4412	4·7	0·26	2	13 4 4·50	+3·689	0·26	2	59 13 0·22	-19·28
609	B.A.C. 4428 (1st Star)	7·3	0·29	2	13 6 23·70	+3·197	0·29	2	18 7 29·39	-19·22
610	B.A.C. 4428 (one mass)	6·3	0·42	1	13 6 23·60	+3·197	0·42	1	18 7 27·71	-19·22
611	B.A.C. 4428 (2nd Star)	6·8	...	...	13 6 24	+3·197	0·14	1	18 7 24·02	-19·22
612	B.A.C. 4430	5·8	0·43	3	13 7 7·36	+3·206	0·43	3	19 14 9·89	-19·21
613	B.A.C. 4435	5·4	0·43	3	13 8 50·81	+3·209	0·43	3	19 14 23·82	-19·16
614	B.A.C. 4437	5·2	...	...	13 9 34	+3·310	0·32	1	30 48 22·39	-19·14
615	B.A.C. 4441	6·9	0·40	1	13 10 31·28	+3·179	0·40	1	14 50 55·47	-19·12
616	B.A.C. 4442	7·0	0·15	1	13 10 32·46	+3·140	0·15	1	9 50 56·52	-19·16
617	B.A.C. 4459	7·0	0·42	1	13 13 24·17	+3·151	0·42	1	10 36 36·07	-19·04
618	B.A.C. 4461	6·6	0·27	2	13 14 5·41	+3·814	0·27	2	60 16 42·95	-19·02
619	B.A.O. 4463	4·6	0·24	5	13 14 7·68	+3·814	0·27	4	60 17 42·31	-19·02
620	B.A.C. 4466	6·4	0·45	1	13 14 24·27	+3·215	0·45	1	18 47 46·13	-19·01
621	B.A.C. 4471	7·3	0·42	1	13 15 9·81	+3·163	0·42	1	11 53 11·98	-18·99
622	α Virginis	1·2	0·00	16	13 18 14·51	+3·150	0·00	5	10 28 15·68	-18·94
623	B.A.C. 4491	8	0·36	1	13 19 49·66	+3·824	0·36	1	58 50 39·77	-18·86
624	B.A.C. 4494	4·9	0·45	1	13 20 24·95	+3·197	0·45	1	15 17 16·89	-18·84
625	B.A.C. 4505	8	0·43	3	13 22 52·27	+3·240	0·43	3	19 37 43·12	-18·76
626	B.A.C. 4515	8·5	0·42	1	13 24 59·37	+3·086	0·42	1	1 38 48·02	-18·70
627	β Virginis	4·9	0·26	1	13 25 6·38	+3·117	0·26	1	5 34 23·08	-18·75
628	B.A.C. 4518	7·7	0·32	1	13 25 20·50	+3·470	0·32	1	39 17 29·75	-18·69
629	B.A.C. 4523	8	0·40	2	13 26 9·49	+3·086	0·40	2	1 44 38·77	-18·66
630	ζ Virginis	3·5	0·00	9	13 27 58·16	+3·052	0·00	2	0 4 48·66	-18·54

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
631	B.A.C. 4533	6.5	0.29	3	13 28 16.92	+3.976	0.29	3	61° 0' 41.51	-18.59
632	B.A.C. 4554	7.3	0.45	1	13 32 17.14	+3.176	0.45	1	11 25 6.82	-18.46
633	B.A.C. 4560	8	0.32	1	13 33 58.10	+3.186	0.32	1	12 6 44.29	-18.40
634	<i>m</i> Virginis.....	5.3	0.32	6	13 34 41.25	+3.142	0.32	6	8 2 6.80	-18.36
635	B.A.C. 4571	7.0	0.44	1	13 36 39.92	+3.107	0.44	1	3 36 27.71	-18.30
636	B.A.C. 4569	7.0	0.52	2	13 37 9.57	+4.094	0.52	2	61 47 13.26	-18.29
637	B.A.C. 4574	5.8	0.42	1	13 37 22.70	+3.229	0.42	1	15 30 53.06	-18.34
638	B.A.C. 4585	6.0	0.45	1	13 38 54.41	+3.185	0.45	1	11 45 50.50.	-18.21
639	B.A.C. 4588	7.5	0.20	1	13 40 12.59	+4.054	0.20	1	60 5 30.73	-18.18
640	B.A.C. 4591	6.3	...	...	13 40 15	+3.161	0.39	1	9 2 47.29	-18.17
641	B.A.C. 4593	7.0	0.34	2	13 40 31.75	+3.131	0.34	2	6 2 39.79	-18.16
642	B.A.C. 4602	3.3	0.19	1	13 41 40.64	+3.585	0.19	1	41 48 51.47	-18.10
643	B.A.C. 4608	5.2	0.43	3	13 42 42.12	+3.245	0.43	3	17 28 30.32	-18.11
644	B.A.C. 4619	8.0	0.53	1	13 43 37.05	+3.143	0.53	1	6 56 26.25	-18.05
645	B.A.C. 4625	6.1	0.53	1	13 45 10.04	+3.847	0.53	1	52 43 10.70	-17.99
646	C.G.A. 18854	8	...	...	13 45 37	+3.432	0.32	1	31 16 43.27	-17.97
647	B.A.C. 4629	4.9	0.32	1	13 45 37.22	+3.432	0.32	1	31 16 24.65	-17.97
648	B.A.C. 4631	5.7	0.45	1	13 45 50.29	+3.488	0.45	1	35 0 39.55	-17.96
649	B.A.C. 4636	6.6	0.40	1	13 46 48.66	+3.391	0.40	1	27 54 57.16	-17.92
650	B.A.C. 4645	5.3	0.39	1	13 47 55.54	+3.081	0.39	1	0 51 7.59	-17.88
651	η Boötis	2.9	0.00	1	13 48 24.01	+2.858	...	...	19 4	-18.21
652	B.A.C. 4654	4.1	0.25	3	13 50 32.36	+3.673	0.25	3	44 9 25.45	-17.78
653	B.A.C. 4658	8.3	0.47	3	13 51 22.42	+3.198	0.47	3	11 24 32.68	-17.74
654	B.A.C. 4660	5.7	...	...	13 52 33	+5.622	0.48	1	76 9 24.72	-17.75
655	B.A.C. 4665	6.8	0.34	2	13 52 59.04	+3.104	0.34	2	2 54 17.37	-17.67
656	β Centauri.....	0.8	0.30	1	13 54 31.93	+4.158	...	...	59 44	-17.68
657	τ Virginis.....	4.4	0.00	4	13 54 55.75	+3.047	0.00	1	2 11 4.97	-17.66
658	B.A.C. 4680	6.9	0.42	3	13 57 22.16	+3.171	0.42	3	8 37 19.05	-17.49
659	B.A.C. 4682	6.7	0.45	1	13 58 2.70	+3.257	0.45	1	15 42 6.92	-17.46
660	B.A.C. 4683	7.5	0.53	1	13 58 5.11	+3.238	0.53	1	14 13 15.09	-17.46

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
661	94 Virginis	6·8 0° 19	2	13	^h 13 ^m 59 ^s 18·55	+ 3·168	0·19	2	— 8° 15' 36·21	—17·39
662	B.A.C. 4695	4·8 0° 53	1	14	1 8·71	+ 3·958	0·53	1	—52 48 27·83	—17·33
663	B.A.C. 4700	5·3 0° 40	1	14	3 38·19	+ 3·260	0·40	1	—15 40 36·15	—17·28
664	B.A.C. 4702	8·3 0° 37	2	14	4 3·24	+ 3·209	0·37	2	—11 19 36·06	—17·20
665	B.A.C. 4708	5·2 0° 32	1	14	5 12·68	+ 3·421	0·32	1	—26 38 19·15	—17·14
666	B.A.C. 4710	7·3 0° 42	2	14	5 31·52	+ 3·186	0·42	2	— 9 16 39·53	—17·13
667	α Virginis	4·3 0° 37	7	14	5 51·45	+ 3·197	0·40	9	— 9 39 27·30	—17·10
668	B.A.C. 4717	8 0° 44	1	14	5 56·25	+ 3·103	...	...	— 2 41	—17·10
669	B.A.C. 4720	6·7 0° 53	1	14	7 29·05	+ 3·138	0·53	1	— 5 19 56·04	—17·04
670	ι Virginis	4·2 0° 26	2	14	9 5·77	+ 3·139	0·26	2	— 5 22 8·49	—16·96
671	α Boötis	0·0 0° 00	7	14	9 38·51	+ 2·734	...	...	+19 52	—18·92
672	B.A.C. 4735	4·4 0° 28	2	14	11 7·62	+ 4·135	0·28	2	—55 46 33·89	—16·87
673	B.A.C. 4739	6·2 0° 44	2	14	11 20·44	+ 3·308	0·44	2	—18 6 12·04	—16·86
674	B.A.C. 4740	5·9 0° 40	1	14	11 31·81	+ 3·412	0·40	1	—25 13 3·42	—16·85
675	λ Virginis	4·6 0° 42	6	14	11 58·26	+ 3·239	0·43	8	—12 45 42·30	—16·80
676	B.A.C. 4748	5·2 0° 39	1	14	12 44·47	+ 3·093	0·39	1	— 1 39 11·90	—16·79
677	B.A.C. 4750	6·6 0° 32	1	14	12 57·20	+ 3·150	0·32	1	— 6 8 10·57	—16·78
678	B.A.C. 4762	6·7 0° 40	1	14	15 10·63	+ 3·089	0·40	1	— 1 22 57·41	—16·67
679	B.A.C. 4764 (onemass)	6·7 0° 53	1	14	15 39·68	+ 3·166	0·53	1	— 7 9 37·83	—16·65
680	B.A.C. 4761	6·5 ...	...	14	15 46	+ 6·086	0·48	1	—76 7 50·89	—16·65
681	B.A.C. 4765	6·3 0° 42	1	14	16 19·62	+ 3·219	0·42	1	—11 6 33·99	—16·71
682	B.A.C. 4774	6·9 0° 45	1	14	17 56·72	+ 3·746	0·45	1	—41 43 6·20	—16·54
683	B.A.C. 4777	6·7 0° 33	3	14	18 8·76	+ 3·243	0·33	3	—12 45 15·59	—16·53
684	B.A.C. 4779	6·3 0° 25	3	14	18 42·40	+ 3·846	0·25	3	—45 32 3·73	—16·50
685	B.A.C. 4786	6·5 0° 39	2	14	20 28·81	+ 3·145	0·39	2	— 5 31 22·00	—16·41
686	B.A.C. 4794	6·8 0° 42	1	14	21 29·08	+ 3·200	0·42	1	— 9 24 37·15	—16·36
687	B.A.C. 4799	6·9 0° 48	2	14	23 8·03	+ 3·121	0·48	2	— 3 39 24·38	—16·28
688	B.A.C. 4802	7 0° 34	3	14	23 38·33	+ 3·118	0·39	2	— 3 28 33·65	—16·25
689	B.A.C. 4807	6·9 0° 32	1	14	25 46·69	+ 3·773	0·32	1	—41 30 57·57	—16·14
690	z Octantis	6·5 0° 56	6	14	26 36·71	+21·750	0·55	6	—87 36 4·11	—16·20

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
691	z Octantis S.P. ...	6·5	0·56	7	^h 14 ^m 26 ^s 36·76	+21·750	0·56	3	—87° 36' 5" 30	—16" 20
692	B.A.C. 4815	5·3	0·28	2	14 27 41·45	+ 3·893	0·28	2	—45 39 59·08	—16·04
693	B.A.C. 4828	6·0	0·17	1	14 29 58·64	+ 3·240	0·17	1	—11 44 32·11	—15·92
694	α ² Centauri	0·3	0·45	4	14 30 38·81	+ 4·032	0·44	7	—60 17 23·26	—15·04
695	α ¹ Centauri	2·8	0·41	3	14 30 39·09	+ 4·032	0·41	5	—60 17 12·70	—15·04
696	B.A.C. 4837	6·9	0·34	2	14 31 54·84	+ 3·217	0·34	2	— 9 58 57·29	—15·82
697	B.A.C. 4848	7	0·16	1	14 34 52·86	+ 3·244	0·16	1	—11 40 6·84	—15·66
698	B.A.C. 4855	3·9	0·17	1	14 36 6·44	+ 3·147	0·17	1	— 5 4 56·76	—15·59
699	B.A.C. 4856	8·5	0·25	3	14 36 58·95	+ 4·354	0·25	3	—56 40 32·38	—15·54
700	B.A.C. 4865	5·0	0·40	1	14 38 21·81	+ 3·467	0·40	1	—24 52 50·02	—15·46
701	B.A.C. 4868	6·6	0·26	1	14 38 41·41	+ 3·299	0·26	1	—14 54 5·19	—15·47
702	B.A.C. 4882	6·1	0·42	1	14 40 14·55	+ 3·488	0·42	1	—26 5 28·33	—15·38
703	B.A.C. 4888	5·7	0·53	1	14 41 41·39	+ 3·452	0·53	1	—23 41 59·18	—15·28
704	B.A.C. 4891	5·0	0·42	1	14 42 32·45	+ 3·523	0·42	1	—27 24 30·77	—15·23
705	α ³ Libræ.....	3·0	0·00	12	14 43 34·77	+ 3·305	0·00	10	—15 29 28·34	—15·23
706	B.A.C. 4900	6·5	0·18	2	14 44 27·14	+ 3·354	0·18	2	—17 48 30·97	—15·12
707	B.A.C. 4914	5·6	0·53	1	14 46 54·52	+ 4·220	0·53	1	—52 16 16·16	—14·98
708	B.A.C. 4915	5·9	0·21	2	14 47 13·04	+ 3·251	0·25	3	—11 21 28·28	—14·96
709	B.A.C. 4920	7·0	0·42	1	14 49 13·04	+ 3·506	0·42	1	—25 44 56·04	—14·84
710	B.A.C. 4925	7·0	0·53	1	14 49 48·96	+ 3·490	0·53	1	—24 54 27·94	—14·81
711	B.A.C. 4927	4·5	0·43	3	14 50 17·59	+ 3·131	0·43	3	— 3 48 24·28	—14·78
712	B.A.C. 4930	5·8	0·55	1	14 50 50·87	+ 3·536	0·55	1	—27 7 30·58	—14·75
713	B.A.C. 4932	7·0	0·28	2	14 51 4·18	+ 3·243	0·25	3	—10 37 20·66	—14·73
714	B.A.C. 4935	6·2	0·19	1	14 51 45·36	+ 3·244	0·18	2	—10 36 40·61	—14·69
715	δ Libræ.....	4·9	0·36	8	14 53 55·37	+ 3·201	0·34	8	— 7 59 34·74	—14·56
716	B.A.C. 4950	3·3	0·44	3	14 56 20·90	+ 3·500	0·44	3	—24 45 40·16	—14·42
717	B.A.C. 4964	7·5	0·51	3	14 58 32·52	+ 3·466	0·51	3	—22 48 27·72	—14·28
718	ψ Boötis.....	4·5	0·00	1	14 58 47·42	+ 2·570	...	...	+27 28	—14·26
719	B.A.C. 4970	5·4	0·25	3	14 59 16·03	+ 3·334	0·27	4	—15 44 33·75	—14·26
720	B.A.C. 4971	6·8	0·27	3	14 59 27·03	+ 3·342	0·27	3	—15 58 14·70	—14·23

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
721	B.A.C. 4976	5·30·44	1	15	1 42·25	+ 5·625	0·44	1	—69° 34' 40" 12	—14" 09
722	B.A.C. 4983	6·80·45	2	15	2 9·69	+ 3·486	0·45	2	—23 28 43·47	—14·06
723	B.A.C. 4995	4·90·34	4	15	4 42·04	+ 3·409	0·34	4	—19 17 22·18	—13·92
724	B.A.C. 5011	4·00·53	1	15	7 12·08	+ 4·648	0·53	1	—58 18 17·38	—13·74
725	B.A.C. 5021	5·40·32	2	15	8 12·86	+ 4·765	0·32	2	—60 0 27·90	—13·68
726	β Libræ	2·70·00	8	15	9 54·38	+ 3·218	0·00	8	— 8 53 36·80	—13·58
727	B.A.C. 5043	7·50·16	1	15	12 15·24	+ 3·223	0·16	1	— 8 39 42·04	—13·41
728	ρ Octantis	5·70·61	6	15	13 18·50	+ 12·634	0·61	4	—84 0 57·37	—13·35
729	ρ Octantis S.P. ....	... 0·61	5		18·70	...	0·62	2	56·61	...
730	B.A.C. 5057	6·00·42	1	15	13 38·86	+ 3·341	0·42	2	—15 4 12·38	—13·32
731	B.A.C. 5070	6·20·46	1	15	16 37·87	+ 3·285	0·46	1	—11 53 44·70	—13·13
732	B.A.C. 5073	6·10·55	1	15	16 55·50	+ 3·082	0·55	1	— 0 32 58·07	—13·11
733	B.A.C. 5074	5·20·26	3	15	17 2·72	+ 3·248	0·26	3	— 9 50 44·33	—13·10
734	B.A.C. 5068	5·60·32	2	15	17 11·52	+ 6·366	0·32	2	—72 55 36·33	—13·10
735	B.A.C. 5080	6·90·53	1	15	18 50·38	+ 4·337	0·53	1	—51 8 2·80	—12·98
736	ζ ¹ Libræ	6·20·39	4	15	20 48·93	+ 3·376	0·39	4	—16 15 14·47	—12·88
737	B.A.C. 5090	6·80·53	1	15	20 58·01	+ 3·628	0·53	1	—28 24 15·93	—12·84
738	B.A.C. 5100	5·80·30	2	15	23 13·83	+ 3·377	0·30	2	—16 9 14·15	—12·72
739	B.A.C. 5106	7·60·32	2	15	25 3·88	+ 4·674	0·32	2	—56 58 12·42	—12·57
740	B.A.C. 5119	5·90·18	1	15	26 10·08	+ 3·084	0·18	1	— 0 44 9·52	—12·49
741	B.A.C. 5125	4·90·29	3	15	26 57·96	+ 3·249	0·29	3	— 9 36 34·97	—12·43
742	B.A.C. 5127	7·30·55	1	15	27 17·78	+ 3·645	0·55	1	—28 36 19·23	—12·41
743	γ Libræ	4·00·39	6	15	28 8·73	+ 3·346	0·39	6	—14 20 48·56	—12·33
744	B.A.C. 5133	7 0·53	1	15	28 9·84	+ 3·646	0·53	1	—28 33 23·77	—12·35
745	α Coronæ Borealis	2·40·00	5	15	29 6·05	+ 2·538	...	...	+27·10	—12·35
746	B.A.C. 5137	6·40·53	1	15	29 9·98	+ 4·865	0·53	1	—59 27 51·97	—12·28
747	B.A.C. 5148	6·80·16	1	15	29 47·35	+ 3·073	0·16	1	— 0 7 16·35	—12·23
748	B.A.C. 5144	7·50·44	1	15	29 48·97	+ 4·670	0·44	1	—56 28 42·19	—12·26
749	B.A.C. 5158	7·30·46	1	15	31 7·77	+ 3·339	0·46	1	—14 4 41·81	—12·15
750	B.A.C. 5176	5·00·26	4	15	34 20·62	+ 3·445	0·26	4	—19 14 53·23	—12·04

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
751	B.A.C. 5184	8	0.55	1	h m s 15 35 20.98	+3.373	0.55	1	—15° 35' 16".55	—11".85
752	B.A.C. 5183	7.3	0.32	2	15 35 44.92	+4.760	0.32	2	—57 23 35.44	—11.82
753	B.A.C. 5188	6.7	0.53	1	15 36 0.96	+3.354	0.53	1	—14 37 2.69	—11.80
754	B.A.C. 5190	5.5	0.46	1	15 36 39.06	+3.369	0.46	1	—15 14 54.77	—11.81
755	α Serpentis.....	2.7	0.00	11	15 37 46.07	+2.949	0.00	2	+ 6 50 36.40	—11.62
756	B.A.C. 5197.....	7.8	0.42	1	15 37 58.62	+3.563	0.42	1	—24 17 52.01	—11.52
757	B.A.C. 5209	5.9	0.53	1	15 40 7.00	+4.527	0.53	1	—52 47 58.93	—11.57
758	B.A.C. 5226	5.5	0.52	2	15 42 2.13	+3.137	0.52	2	— 3 24 40.69	—11.37
759	B.A.C. 5230	3.5	0.28	4	15 42 44.02	+3.129	0.28	4	— 3 1 25.02	—11.32
760	B.A.C. 5231	6.3	0.44	1	15 43 6.71	+4.399	0.44	1	—50 12 55.13	—11.30
761	B.A.C. 5235	6.4	0.19	1	15 43 44.09	+5.010	0.19	1	—60 20 45.75	—11.27
762	B.A.C. 5240	6.8	0.55	1	15 44 4.14	+3.698	0.55	1	—29 28 59.51	—11.22
763	B.A.C. 5246	5.2	0.35	2	15 44 23.23	+3.124	0.35	2	— 2 41 19.33	—11.20
764	B.A.C. 5251	5.0	0.42	1	15 45 40.47	+3.471	0.42	1	—19 46 10.44	—11.12
765	θ Libræ	4.3	0.38	4	15 46 18.79	+3.414	0.38	4	—16 20 21.08	—10.93
766	B.A.C. 5278	7.8	0.59	1	15 49 28.61	+3.505	0.59	1	—21 5 53.86	—10.83
767	48 Libræ	4.8	0.50	4	15 50 48.12	+3.350	0.50	5	—13 53 45.07	—10.73
768	B.A.C. 5283	6.7	0.44	1	15 50 50.16	+4.636	0.44	1	—54 11 51.21	—10.73
769	B.A.C. 5288	6.7	0.53	1	15 51 17.82	+5.213	0.53	1	—62 9 53.14	—10.70
770	8 Scorpil	2.5	0.54	2	15 52 31.85	+3.535	0.54	2	—22 14 36.45	—10.61
771	B.A.C. 5304	5.6	0.42	1	15 52 55.31	+3.401	0.42	1	—16 8 31.30	—10.57
772	51 Libræ	4.1	0.50	2	15 57 6.78	+3.295	0.50	2	—11 0 23.51	—10.26
773	β ¹ Scorpil	2.9	0.00	16	15 57 45.90	+3.477	0.00	3	—19 26 28.93	—10.23
774	β ² Scorpil	7.9	...	...	15 57 46	+3.477	0.00	1	—19.26 16.26	—10.23
775	B.A.C. 5342	4.6	0.59	1	15 59 40.03	+3.505	0.59	1	—20 30 34.28	—10.07
776	B.A.C. 5351	5.6	0.33	2	16 0 16.87	+3.325	0.33	2	—12 23 15.00	—10.02
777	B.A.C. 5349	7.8	0.44	1	16 0 48.01	+5.214	0.44	1	—61 34 41.50	— 9.99
778	B.A.C. 5354	6.3	0.22	1	16 0 50.86	+3.571	0.22	1	—23 19 48.83	— 9.98
779	B.A.C. 5356	7.3	0.54	2	16 1 9.33	+3.761	0.54	2	—30 41 52.09	— 9.95
780	B.A.C. 5370	6.0	16 2 53	+4.747	0.50	1	—55 11 39.29	— 9.83

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868'o.	Annual Variation 1865'o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868'o.	Annual Variation 1865'o.
781	ν Scorpii	4.2	0.57	3	16 4 19.57	+ 3.480	0.57	3	—19° 6' 53".19	— 9".68
782	B.A.C. 5401	5.6	0.25	1	16 6 33.09	+ 3.310	0.25	1	—11 29 52.08	— 9.54
783	δ Ophiuchi	2.8	0.00	11	16 7 25.83	+ 3.136	0.00	3	— 3 21 6.91	— 9.59
784	B.A.C. 5420	5.7	0.22	1	16 8 27.04	+ 3.238	0.22	1	— 8 1 0.27	— 9.39
785	B.A.C. 5430	7.2	0.53	1	16 10 6.96	+ 3.694	0.53	1	—27 42 46.89	— 9.27
786	B.A.C. 5437	3.4	0.33	2	16 11 20.34	+ 3.162	0.33	2	— 4 22 3.85	— 9.17
787	B.A.C. 5412	6.0	...	...	16 12 24	+20.514	0.64	2	—86 6 4.83	— 9.10
788	B.A.C. 5412 S.P. ....	...	...	...	...	...	0.64	1	7.61	...
789	B.A.C. 5443	7.4	0.44	1	16 12 56.59	+ 5.003	0.44	1	—58 17 15.52	— 9.05
790	B.A.C. 5447	3.0	...	...	16 13 10	+ 3.633	0.44	1	—25 16 21.87	— 9.02
791	γ Apodis	3.9	0.67	2	16 13 18.08	+ 8.983	0.67	2	—78 35 36.70	— 9.04
792	γ Apodis S.P. ....	...	0.67	1	18.19	...	0.67	1	41.04	...
793	ψ Ophiuchi	4.6	0.40	4	16 16 22.95	+ 3.503	0.40	4	—19 43 30.43	— 8.83
794	B.A.C. 5471	7.5	0.55	1	16 17 16.96	+ 3.806	0.55	1	—31 23 44.24	— 8.71
795	B.A.C. 5477 (N. Star) ..	5.5	0.42	1	16 17 40.43	+ 3.588	0.42	1	—23 8 23.85	— 8.67
796	B.A.C. 5485	6.6	0.44	1	16 18 45.54	+ 4.965	0.44	1	—57 27 27.99	— 8.75
797	B.A.C. 5487	7.5	0.53	1	16 19 14.26	+ 3.741	0.53	1	—28 59 11.28	— 8.55
798	α Scorpii	1.1	0.00	16	16 21 19.00	+ 3.666	0.00	2	—26 8 7.70	— 8.41
799	ϕ Ophiuchi	4.4	0.46	2	16 23 35.22	+ 3.424	0.35	1	—16 19 17.62	— 8.24
800	β Apodis	4.2	0.67	1	16 24 18.00	+ 8.459	0.67	1	—77 14 3.00	— 8.17
801	B.A.C. 5522	7.5	0.42	1	16 24 36.92	+ 3.814	0.42	1	—31 16 4.88	— 8.12
802	B.A.C. 5528	7.5	0.40	2	16 25 6.78	+ 3.415	0.40	2	—15 41 53.79	— 8.08
803	B.A.C. 5539	2.9	0.24	2	16 27 40.10	+ 3.723	0.24	2	—27 56 19.11	— 7.89
804	B.A.C. 5547	5.8	0.57	3	16 29 25.53	+ 3.115	0.57	3	— 2 2 25.38	— 7.73
805	B.A.C. 5556	7.2	0.42	1	16 30 56.59	+ 3.777	0.42	1	—29 39 29.96	— 7.61
806	B.A.C. 5565	6.9	0.44	1	16 33 19.60	+ 6.122	0.44	1	—67 51 3.97	— 7.43
807	B.A.C. 5573	7.0	0.55	1	16 33 39.24	+ 3.470	0.55	1	—17 47 55.00	— 7.39
808	B.A.C. 5579	5.2	0.52	2	16 33 56.49	+ 3.462	0.52	3	—17 29 1.53	— 7.34
809	B.A.C. 5580	5.7	0.24	3	16 34 8.24	+ 3.517	0.24	3	—19 40 5.47	— 7.35
810	α Trianguli Aust.	1.9	0.00	14	16 34 42.57	+ 6.277	0.00	3	—68 46 48.19	— 7.39

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
811	α Trianguli Aust. S.P.	...	...	...	^h 16 ^m 34 ^s 43	+6° 277	0° 00	9	— 68° 46' 50" 35	— 7" 32
812	B.A.C. 5614	6·4	0° 61	1	16 38 46·42	+3° 665	0° 61	1	— 25 17 6·89	— 6·97
813	B.A.C. 5633	6·7	0° 55	1	16 41 42·47	+3° 642	0° 55	1	— 24 24 21·45	— 6·73
814	B.A.C. 5637	4·7	0° 24	3	16 42 32·05	+3° 305	0° 24	3	— 10 32 46·97	— 6·66
815	B.A.C. 5646	7·3	0° 44	1	16 44 6·68	+4° 932	0° 44	1	— 55 49 25·77	— 6·54
816	B.A.C. 5655	6·6	0° 53	1	16 44 46·54	+4° 194	0° 53	1	— 41 34 57·94	— 6·48
817	B.A.C. 5663	6·6	0° 57	1	16 45 37·71	+3° 537	0° 57	1	— 20 11 30·69	— 6·41
818	B.A.C. 5676	7·7	0° 61	1	16 46 38·88	+3° 793	0° 61	1	— 29 38 1·17	— 6·33
819	B.A.C. 5688	5·6	0° 25	1	16 47 32·52	+3° 204	0° 25	1	— 5 56 3·21	— 6·25
820	B.A.C. 5695	6·6	0° 22	1	16 48 24·82	+3° 452	0° 22	1	— 16 35 34·42	— 6·18
821	B.A.C. 5700 (1st Star)	8° 0	...	...	16 49 18	+3° 518	0° 25	1	— 19 19 43·17	— 6·10
822	B.A.C. 5700 (2nd Star)	6·7	0° 25	1	16 49 18·63	+3° 518	0° 25	1	— 19 19 39·89	— 6·10
823	α Ophiuchi.....	3·4	0° 00	1	16 51 25·44	+2° 834	0° 00	1	+ 9 34 57·67	— 5·90
824	B.A.C. 5710	9	0° 64	1	16 51 49·12	+3° 435	0° 64	1	— 15 51 35·39	— 5·89
825	B.A.C. 5715	5·9	0° 53	1	16 53 10·84	+5° 082	0° 53	1	— 57 31 1·16	— 5·79
826	B.A.C. 5724	5° 0	0° 25	1	16 54 6·17	+3° 163	0° 25	1	— 4 1 17·69	— 5·78
827	B.A.C. 5733	6·8	0° 55	1	16 55 53·47	+3° 685	0° 55	1	— 25 30 25·53	— 5·55
828	B.A.C. 5748	7·8	0° 24	2	16 57 14·74	+3° 320	0° 24	2	— 10 53 59·94	— 5·44
829	B.A.C. 5758	6·6	0° 57	1	16 58 19·08	+3° 576	0° 57	1	— 21 22 41·90	— 5·35
830	B.A.C. 5760	5·6	0° 63	2	16 58 44·25	+3° 088	0° 63	2	— 0 42 30·49	— 5·31
831	B.A.C. 5764	7° 0	0° 53	1	16 59 49·97	+5° 126	0° 53	1	— 57 51 6·66	— 5·23
832	B.A.C. 5774	5·9	0° 25	1	17 1 25·25	+3° 092	...	...	— 0 54	— 5·08
833	Lalande 31166 ...	7·3	0° 24	2	17 2 7·20	+3° 556	0° 24	2	— 20 30 27·95	— 4·97
834	η Ophiuchi.....	2·6	0° 47	3	17 2 48·56	+3° 436	0° 47	3	— 15 33 29·93	— 4·86
835	B.A.C. 5784	7·3	0° 55	1	17 3 14·19	+3° 557	0° 55	1	— 20 28 53·27	— 4·93
836	B.A.C. 5808 (one mass)	4·7	0° 61	1	17 7 13·79	+3° 681	0° 61	1	— 26 24 17·87	— 5·71
837	B.A.C. 5809	6·2	0° 64	1	17 7 25·70	+3° 825	0° 64	1	— 30 3 17·24	— 4·58
838	B.A.C. 5812	7·1	0° 54	2	17 8 11·67	+4° 628	0° 54	2	— 50 3 38·81	— 4·52
839	α Herculis	Var.	0° 00	1	17 8 37·78	+2° 732	+14 33	— 4·42
840	B.A.C. 5830	5° 0	0° 24	2	17 9 50·10	+3° 078	0° 24	2	— 0 17 36·81	— 4·37

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No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
841	B.A.C. 5839	6°00'55	1	17	12 12'41	+3°486	0°55	1	17°36'55"99	— 4"17
842	♄ Serpentis	4°40'46	2	17	13 24'25	+3°372	0°46	2	12 42 36°07	— 4°05
843	♄ Ophiuchi	3°40'00	6	17	13 54'25	+3°676	0°00	1	24 51 53°52	— 4°01
844	B.A.C. 5861	8°50'64	1	17	16 3'00	+3°785	0°64	1	28 31 33°07	— 3°84
845	B.A.C. 5890	4°60'59	1	17	19 37'76	+3°187	0°59	1	4 58 0°22	— 3°53
846	B.A.C. 5889	6°40'54	2	17	20 10'26	+5°085	0°54	2	56 48 40°86	— 3°49
847	B.A.C. 5905	7°50'58	2	17	22 54'05	+3°438	0°58	2	15 31 44°23	— 3°25
848	B.A.C. 5910	5°40'64	1	17	23 36'32	+3°094	0°64	1	0 57 3°21	— 3°18
849	B.A.C. 5920	7°00'59	1	17	25 18'31	+3°485	0°59	1	17 23 51°89	— 3°04
850	α Ophiuchi	2°20'00	3	17	28 48°53	+2°781	...	...	+12 40	— 2°94
851	ξ Serpentis	3°70'46	2	17	30 1°77	+3°431	0°46	2	15 18 44°49	— 2°68
852	B.A.C. 5948	6°80'25	1	17	30 1°91	+3°439	0°25	1	15 29 12°61	— 2°63
853	B.A.C. 5947	4°90'57	2	17	30 12°28	+4°616	0°57	2	49 19 46°69	— 2°62
854	B.A.C. 5953	4°70'55	1	17	30 40°33	+3°259	0°55	1	8 2 8°24	— 2°57
855	B.A.C. 5976	4°40'64	1	17	33 59°86	+3°366	0°64	1	12 48 6°81	— 2°33
856	B.A.C. 5984	7°50'59	1	17	35 5°67	+3°440	0°59	1	15 29 27°66	— 2°19
857	58 Ophiuchi	5°00'20	1	17	35 31°44	+3°592	0°47	2	21 36 55°86	— 2°20
858	B.A.C. 5992	6°80'67	1	17	36 26°47	+3°612	0°67	1	22 7 55°18	— 2°07
859	B.A.C. 5995	6°60'57	2	17	37 40°53	+5°538	0°53	1	61 39 41°28	— 1°97
860	B.A.C. 6015	6°70'58	2	17	40 12°59	+3°747	0°58	2	26 55 27°93	— 1°75
861	B.A.C. 6023	7°50'64	1	17	41 53°20	+3°670	0°64	1	24 9 38°36	— 1°60
862	B.A.C. 6040	7°90'55	1	17	45 4°02	+5°410	0°55	1	60 17 43°49	— 1°33
863	C.Z. XVII. 3281	8°80'53	1	17	47 54°84	+4°953	0°53	1	54 33 32°17	— 1°08
864	B.A.C. 6060	6°50'61	1	17	48 9°16	+3°526	0°61	1	18 46 31°34	— 1°05
865	B.A.C. 6059	7°30'67	1	17	48 9°97	+3°745	0°67	1	26 44 44°73	— 1°05
866	B.A.C. 6066	7°50'64	1	17	49 3°62	+3°665	0°64	1	23 55 1°67	— 0°97
867	C.Z. XVII. 3710	9 0°53	1	17	54 22°65	+4°957	0°53	1	54 39 55°62	— 0°51
868	B.A.C. 6093	6°90'56	3	17	54 55°12	+5°260	0°56	3	58 34 21°54	— 0°47
869	B.A.C. 6102	5°70'64	1	17	55 46°82	+3°676	0°64	1	24 21 37°43	— 0°39
870	B.A.C. 6111	6°50'67	1	17	57 4°92	+3°678	0°67	1	24 24 5°64	— 0°27

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.	
871	B.A.C. 6128	7	0°54	2	18 0 6°58	+	4°407	0°54	2	—44 57 37°12	0°00
872	σ Octantis	5·5	...	...	18 2 44	+	109°742	0°00	2	—89 16 43°50	— 0°10
873	B.A.C. 6165	7·5	0°61	1	18 5 1°53	+	3°644	0°61	1	—23 8 46°99	+ 0°42
874	μ ¹ Sagittarii	4°1	0°00	4	18 5 52°22	+	3°584	0°00	2	—21 5 25°87	+ 0°49
875	B.A.C. 6189	7	0°64	1	18 8 43°46	+	3°573	0°64	1	—20 35 4°50	+ 0°75
876	B.A.C. 6210	5·8	0°67	1	18 12 32°89	+	3°452	0°67	1	—15 52 58°00	+ 1°08
877	B.A.C. 6219	7°0	0°54	2	18 13 58°74	+	5°140	0°54	2	—57 9 27°84	+ 1°20
878	21 Sagittarii	4°9	0°65	2	18 17 29°36	+	3°574	0°55	3	—20 36 33°59	+ 1°50
879	λ Sagittarii	3°1	0°73	2	18 19 49°46	+	3°707	0°73	2	—25 29 29°01	+ 1°49
880	B.A.C. 6262	6·5	0°53	1	18 20 0°13	+	4°516	0°53	1	—47 17 59°47	+ 1°73
881	B.A.C. 6267	6°7	0°67	1	18 20 14°36	+	3°502	0°67	1	—17 52 38°06	+ 1°75
882	B.A.C. 6279	4°7	0°20	1	18 21 40°42	+	3°419	0°20	1	—14 38 50°23	+ 1°86
883	B.A.C. 6276	6°7	0°68	1	18 21 54°83	+	5°270	0°68	1	—58 47 35°58	+ 1°89
884	B.A.C. 6307	6°3	0°64	1	18 25 8°00	+	3°099	0°64	1	— 1 5 39°96	+ 2°15
885	B.A.C. 6330	6°3	0°54	2	18 29 14°75	+	4°545	0°54	2	—48 1 9°71	+ 2°53
886	B.A.C. 6328	6·5	0°68	1	18 29 28°37	+	5°880	0°68	1	—64 45 22°68	+ 2°46
887	B.A.C. 6340	7°3	0°67	1	18 30 11°62	+	3°485	0°67	1	—17 20 24°26	+ 2°62
888	α Lyre	0°2	0°00	2	18 32 28°09	+	2°030	0°00	2	+38 39 45°16	+ 3°11
889	B.A.C. 6360	5°9	0°71	1	18 35 38°69	+	5°927	0°71	1	—65 12 32°33	+ 3°04
890	B.A.C. 6367	5°1	0°66	2	18 36 20°05	+	3°268	0°66	2	— 8 24 10°81	+ 3°15
891	B.A.C. 6370	7°0	0°54	2	18 37 14°26	+	4°631	0°54	2	—49 45 51°74	+ 3°22
892	B.A.C. 6398	5°2	0°68	1	18 42 10°89	+	4°771	0°68	1	—52 15 16°37	+ 3°65
893	B.A.C. 6402	6°9	0°54	2	18 42 45°28	+	4°759	0°54	2	—52 4 59°76	+ 3°70
894	B.A.C. 6415	7°0	0°64	1	18 44 12°55	+	3°604	0°64	1	—22 4 23°07	+ 3°83
895	B.A.C. 6437	8	0°67	1	18 46 24°79	+	3°742	0°67	1	—27 3 3°16	+ 4°02
896	B.A.C. 6443	4°9	0°53	1	18 47 53°79	+	4°815	0°53	1	—53 6 26°06	+ 4°14
897	ξ ² Sagittarii	3°5	0°69	4	18 49 51°32	+	3°582	0°69	4	—21 16 36°92	+ 4°32
898	B.A.C. 6472	6°9	0°68	1	18 51 31°76	+	5°741	0°68	1	—63 58 1°63	+ 4°45
899	B.A.C. 6488	6°4	0°64	1	18 54 0°84	+	3°432	0°64	1	—15 27 57°15	+ 4°67
900	B.A.C. 6492	4°0	0°67	1	18 54 38°03	+	3°206	0°67	1	— 5 55 20°87	+ 4°72

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
901	B.A.C. 6498	5°0'0"54	2	18	^{h m s} 55 52°55	+ 4°766	0°54	2	-52°31'48"10	+ 4"82
902	♄ Sagittarii	3°9'0"58	3	18	56 46°41	+ 3°599	0°58	3	-21 55 54°72	+ 4°88
903	ζ Aquilæ	3°1'0"00	1	18	59 20°76	+ 2°752	0°00	1	+13 40 12°34	+ 5°05
904	π Sagittarii	3°1'0"43	1	19	1 54°79	+ 3°574	0°43	1	-21 13 49°59	+ 5°35
905	B.A.C. 6554	6°4'0"64	1	19	2 56°98	+ 3°806	0°64	1	-29 42 49°73	+ 5°42
906	B.A.C. 6557	7°3'0"54	2	19	3 30°04	+ 5°148	0°54	2	-58 12 59°66	+ 5°46
907	B.A.C. 6559	6°7'0"65	1	19	4 8°67	+ 5°886	0°65	1	-65 26 57°60	+ 5°52
908	B.A.C. 6564	5°3'0"67	1	19	5 31°16	+ 3°258	0°67	1	- 8 9 27°11	+ 5°64
909	B.A.C. 6580	6°7'0"65	1	19	10 17°67	+ 6°329	0°65	1	-68 36 50°52	+ 6°03
910	B.A.C. 6590	6°6'0"64	1	19	11 28°38	+ 3°432	0°64	1	-15 45 49°69	+ 6°14
911	ω Aquilæ	5°1'0"00	1	19	11 37°28	+ 2°814	0°00	2	+11 21 35°51	+ 6°17
912	B.A.C. 6614	5°2'0"67	1	19	13 30°12	+ 3°197	0°67	1	- 5 39 35°74	+ 6°31
913	♂ Sagittarii	3°9'0"73	2	19	14 0°99	+ 3°488	0°73	2	-18 5 33°93	+ 6°41
914	δ Aquilæ	3°5'0"00	5	19	18 50°59	+ 3°024	0°00	1	+ 2 51 14°14	+ 6°85
915	B.A.C. 6664	6°9'0"67	1	19	21 4°81	+ 3°417	0°67	1	-15 22 4°53	+ 6°93
916	B.A.C. 6668	7°3'0"43	1	19	22 2°58	+ 3°422	0°43	1	-15 37 37°54	+ 7°01
917	B.A.C. 6671	6°5'0"62	1	19	23 3°82	+ 3°567	0°62	1	-21 35 0°66	+ 7°10
918	B.A.C. 6683	7°8'0"64	1	19	24 24°95	+ 3°571	0°64	1	-21 47 35°36	+ 7°21
919	♂ Sagittarii	4°6'0"00	6	19	28 40°32	+ 3°656	0°00	2	-25 10 17°44	+ 7°57
920	B.A.C. 6705	6°5'0"64	1	19	28 48°76	+ 5°874	0°64	1	-66 8 53°63	+ 7°56
921	B.A.C. 6719	5°6'0"67	1	19	30 47°11	+ 3°178	0°67	1	- 4 56 21°97	+ 7°73
922	B.A.C. 6708	6°3' ...	...	19	31 32	+11°503	0°75	2	-81 40 17°55	+ 7°79
923	B.A.C. 6738	6°6'0"62	1	19	34 21°77	+ 3°648	0°62	1	-25 9 50°74	+ 8°01
924	♂ Sagittarii	5°0'0"58	5	19	34 58°01	+ 3°439	0°58	5	-16 25 49°96	+ 8°10
925	B.A.C. 6751	5°6'0"65	2	19	37 13°67	+ 4°929	0°65	2	-56 40 31°78	+ 8°24
926	♂ Sagittarii	5°1'0"58	6	19	38 39°60	+ 3°506	0°58	6	-20 4 31°89	+ 8°33
927	γ Aquilæ	2°8'0"00	1	19	39 59°17	+ 2°852	...	...	+10 17	+ 8°47
928	α Aquilæ	1°0'0"00	4	19	44 20°55	+ 2°927	...	...	+ 8 31	+ 9°19
929	B.A.C. 6797	5°8'0"65	1	19	45 0°84	+ 6°283	0°65	1	-69 30 16°31	+ 8°85
930	ε Pavonis	4°0'0"76	6	19	45 16°56	+ 7°108	0°59	8	-73 15 10°99	+ 8°64

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°o.	Annual Variation 1865°o.
931	ϵ Pavonis S.P.	^{h m s} 19 45 17	+ 7°059	0°31	1	—73 15 11°34	+ 8°86
932	B.A.C. 6809	7°00°64	1	19 46 1°63	+ 5°009	0°64	1	—58 16 4°19	+ 8°93	
933	B.A.C. 6840	5°00°45	1	19 50 27°86	+ 3°409	0°45	1	—15 50 20°57	+ 9°24	
934	B.A.C. 6848	6°60°65	1	19 52 18°49	+ 5°945	0°65	1	—67 39 36°37	+ 9°42	
935	B.A.C. 6871	5°90°67	1	19 54 34°83	+ 3°365	0°67	1	—14 0 0°21	+ 9°60	
936	B.A.C. 6874	7°00°69	2	19 55 44°78	+ 5°795	0°69	2	—66 43 39°14	+ 9°68	
937	B.A.C. 6889	7°00°65	1	19 57 11°87	+ 3°536	0°65	1	—21 40 58°74	+ 9°80	
938	B.A.C. 6902	6°50°65	2	20 0 23°34	+ 4°918	0°65	2	—57 54 21°36	+10°04	
939	B.A.C. 6911	6°40°43	1	20 1 18°23	+ 3°284	0°43	1	—10 26 31°09	+10°11	
940	B.A.C. 6929	6°90°75	2	20 4 22°18	+ 5°887	0°75	2	—67 50 57°05	+10°33	
941	B.A.C. 6946	6°70°65	2	20 7 19°04	+ 5°239	0°65	2	—62 18 27°82	+10°56	
942	B.A.C. 6964	6°60°67	1	20 10 15°31	+ 4°710	0°67	1	—55 27 32°45	+10°78	
943	α^2 Capricorni.....	3°80°00	3	20 10 43°79	+ 3°333	0°00	1	—12 57 4°61	+10°82	
944	β Capricorni	3°40°80	1	20 13 35°64	+ 3°377	0°58	2	—15 11 45°73	+11°05	
945	B.A.C. 6993	5°7 ...	...	20 15 46	+ 10°722	0°73	1	—81 43 40°64	+11°16
946	B.A.C. 7010	7°2 ...	...	20 17 15	+ 6°030	0°76	1	—69 29 56°83	+11°28
947	π Capricorni	5°20°66	2	20 19 45°69	+ 3°442	0°66	2	—18 38 30°77	+11°47	
948	ρ Capricorni.....	5°00°00	3	20 21 19°86	+ 3°426	0°00	3	—18 14 50°97	+11°58	
949	B.A.C. 7038 ...	6°70°73	1	20 21 23°28	+ 6°362	0°73	1	—71 37 56°27	+11°58	
950	B.A.C. 7068	6°1 ...	...	20 25 38	+ 7°683	0°68	1	—76 38 13°79	+11°73
951	B.A.C. 7095	6°70°64	1	20 28 33°16	+ 5°200	0°64	1	—63 21 46°55	+12°09	
952	B.A.C. 7099	5°20°75	1	20 29 5°26	+ 4°993	0°75	1	—60 59 13°50	+12°13	
953	τ^2 Capricorni	5°30°57	4	20 31 53°42	+ 3°363	0°58	5	—15 24 55°31	+12°30	
954	σ Pavonis	5°50°75	2	20 36 45°89	+ 5°812	0°75	2	—69 15 15°93	+12°65	
955	B.A.C. 7231	7°20°74	2	20 45 29°38	+ 5°679	0°74	2	—68 55 28°19	+13°24	
956	B Octantis	6°60°34	1	20 52 3°86	+109°450	...	...	—89 27	+13°33
957	B Octantis S.P. ..	... 0°34	1	6°20	...	0°34	4	8°55	...
958	B.A.C. 7272	6°80°75	2	20 53 27°59	+ 7°205	0°75	2	—76 44 2°33	+13°75	
959	B.A.C. 7293	5°90°73	1	20 55 29°00	+ 6°372	0°73	1	—73 41 8°48	+13°88	
960	θ Capricorni	4°30°36	1	20 58 31°37	+ 3°385	0°36	1	—17 45 19°17	+14°05	

354 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
					h m s	°				
961	B.A.C. 7329	7.2	0.76	1	21 0 10.50	+ 4.706	0.76	1	59 56 20.15	+14.18
962	B.A.C. 7339	7.1	0.75	1	21 1 43.58	+ 4.522	0.75	1	57 3 4.41	+14.27
963	♈ Aquarii	4.6	0.55	2	21 2 24.06	+ 3.274	0.49	3	11 54 14.11	+14.33
964	B.A.C. 7355	7.0	0.73	1	21 5 11.23	+ 4.639	0.73	1	59 28 9.81	+14.48
965	B.A.C. 7369	6.9	...	...	21 8 12	+ 4.779	0.76	1	61 53 10.26	+14.67
966	♐ Capricorni	4.4	0.63	2	21 14 53.65	+ 3.348	0.63	2	17 23 40.91	+15.06
967	B.A.C. 7406	7.0	0.76	2	21 15 1.49	+ 4.475	0.76	2	57 49 4.60	+15.07
968	B.A.C. 7464	7.6	0.76	2	21 23 5.70	+ 4.556	0.76	2	60 16 43.55	+15.52
969	♉ Aquarii	3.1	0.00	5	21 24 36.57	+ 3.163	...	...	6 9	+15.62
970	♏ Octantis	5.4	0.38	3	21 30 21.10	+10.053	0.39	4	83 19 15.19	+15.70
971	♏ Octantis S.P. ....	...	0.37	2	20.82	...	0.38	5	18.52	...
972	B.A.C. 7516	6.5	0.76	2	21 31 13.94	+ 4.288	0.76	2	56 19 57.97	+15.96
973	♐ Capricorni	3.8	0.51	3	21 32 46.50	+ 3.322	0.51	3	17 15 24.49	+16.05
974	♐ Pegasi	2.4	0.00	2	21 37 42.18	+ 2.948	...	...	+ 9 16	+16.31
975	B.A.C. 7572	5.6	0.76	1	21 39 34.60	+ 5.218	0.76	1	70 14 26.80	+16.39
976	♐ Capricorni	3.0	0.51	3	21 39 45.20	+ 3.303	0.51	3	16 43 27.58	+16.41
977	♐ Capricorni	5.2	0.49	3	21 46 5.86	+ 3.259	0.49	3	14 10 16.97	+16.72
978	♐ Pegasi	5.0	0.00	1	21 47 3.54	+ 2.726	...	...	+25 18	+16.76
979	B.A.C. 7645	6.3	0.76	1	21 51 22.50	+ 4.151	0.76	1	56 30 46.52	+16.97
980	B.A.C. 7656	4.8	0.80	1	21 53 14.95	+ 4.170	0.80	1	57 19 33.12	+17.06
981	B.A.C. 7669	5.6	0.80	2	21 56 33.36	+ 4.275	0.80	2	60 16 21.33	+17.21
982	♈ Aquarii	3.2	0.00	2	21 59 0.19	+ 3.083	0.00	1	0 57 30.21	+17.31
983	♈ Aquarii	4.3	0.49	4	21 59 18.41	+ 3.246	0.49	4	14 30 31.92	+17.33
984	B.A.C. 7687	6.9	0.76	1	21 59 21.79	+ 5.937	0.76	1	76 45 36.39	+17.33
985	♐ Gruis	1.9	0.00	1	21 59 54.14	+ 3.817	0.00	1	47 35 54.97	+17.18
986	B.A.C. 7728	7.5	0.75	1	22 4 6.39	+ 4.057	0.75	1	56 35 38.39	+17.54
987	♏ Octantis	5.7	0.43	4	22 5 28.22	+14.045	0.43	3	86 38 3.65	+17.66
988	♏ Octantis S.P. ....	...	0.42	3	27.05	...	0.42	3	4.07	...
989	B.A.C. 7764	7.3	0.80	1	22 8 36.34	+ 3.965	0.80	1	54 58 34.37	+17.72
990	♈ Aquarii	4.3	0.00	5	22 9 52.03	+ 3.170	0.00	4	8 26 21.36	+17.75

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
					h m s	s				
991	B.A.C. 7785	6·10·85	1	22	14 18·33	+ 5·411	0·85	1	—75° 40' 56·95	+17·95
992	B.A.C. 7801	5·40·75	1	22	16 9·09	+ 4·027	0·75	1	—58 27 6·08	+18·02
993	B.A.C. 7811	6·90·80	1	22	18 38·41	+ 4·012	0·80	1	—58 40 14·33	+18·13
994	B.A.C. 7831	6·60·81	2	22	22 44·58	+ 6·040	0·85	1	—79 26 57·05	+18·27
995	♈ Aquarii	4·80·55	5	22	23 39·59	+ 3·182	0·55	5	—11 21 8·35	+18·39
996	B.A.C. 7841	4·80·75	1	22	24 3·07	+ 4·126	0·75	1	—62 39 29·19	+18·32
997	B.A.C. 7860	6·20·80	1	22	27 18·91	+ 3·935	0·80	1	—58 33 51·78	+18·43
998	♎ Aquarii	4·20·00	5	22	28 34·42	+ 3·082	0·00	1	—0 47 46·40	+18·42
999	B.A.C. 7887	7·30·85	1	22	32 5·72	+ 3·677	0·85	1	—50 16 57·22	+18·36
1000	β Octantis S.P....	4·4 ...	...	22	32 22	+ 6·640	0·40	1	—82 4 18·66	+18·60
1001	ζ Pegasi	3·60·00	1	22	34 52·80	+ 2·987	0·00	1	+10 8 33·44	+18·69
1002	B.A.C. 7911	6·90·80	1	22	35 43·23	+ 4·089	0·80	1	—64 38 40·35	+18·71
1003	B.A.C. 7927	7·00·75	2	22	38 9·01	+ 4·373	0·75	2	—70 10 7·63	+18·78
1004	B.A.C. 7942	6·50·85	1	22	40 12·54	+ 4·028	0·85	1	—64 24 49·83	+18·85
1005	τ ² Aquarii	4·10·82	1	22	42 36·15	+ 3·185	0·82	1	—14 17 18·13	+18·92
1006	B.A.C. 7956	6·00·80	1	22	43 34·25	+ 3·967	0·80	1	—63 53 9·30	+18·94
1007	B.A.C. 7965	6·30·75	1	22	45 25·83	+ 4·303	0·75	1	—70 46 43·93	+19·00
1008	λ Aquarii	3·80·52	1	22	45 43·61	+ 3·133	0·52	1	—8 16 53·04	+19·01
1009	α Piscis Australis	1·30·00	9	22	50 21·07	+ 3·330	0·00	1	—30 19 14·77	+18·96
1010	B.A.C. 8022	8·50·84	3	22	56 5·17	+ 3·628	0·84	3	—56 24 23·17	+19·28
1011	α Pegasi	2·60·00	4	22	58 11·25	+ 2·983	0·00	4	+14 29 45·22	+19·31
1012	λ ¹ Aquarii	5·50·52	1	22	58 16·72	+ 3·125	0·52	1	—8 24 18·98	+19·33
1013	B.A.C. 8081	6·40·80	1	23	5 56·76	+ 3·698	0·80	1	—63 24 6·28	+19·50
1014	τ Octantis	5·60·44	12	23	6 48·22	+13·130	0·43	7	—88 12 18·69	+19·52
1015	τ Octantis S.P....	... 0·44	12		48·27	...	0·44	10	21·01	...
1016	φ Aquarii	4·20·79	3	23	7 29·11	+ 3·113	0·79	3	—6 45 35·88	+19·37
1017	B.A.C. 8087	6·60·86	2	23	7 39·94	+ 3·548	0·86	2	—57 24 33·43	+19·53
1018	B.A.C. 8102	5·20·79	1	23	10 0·42	+ 3·115	0·79	1	—8 26 44·07	+19·58
1019	γ Piscium	3·80·00	2	23	10 19·38	+ 3·106	0·00	2	+ 2 33 42·06	+19·57
1020	ψ ² Aquarii	4·50·75	2	23	11 2·57	+ 3·122	0·75	2	—9 54 9·97	+19·60

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1868°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1868°.	Annual Variation 1865°.
					^h ^m ^s	^s				
1021	♂ Aquarii	5.1	0.44	2	23 12 5.51	+3.122	0.44	2	—10 19 53.66	+19.62
1022	B.A.C. 8142	5.3	0.80	2	23 15 43.73	+3.145	0.80	2	—15 45 47.97	+19.68
1023	B.A.C. 8143	6.9	0.85	1	23 15 51.02	+3.458	0.85	1	—56 16 37.44	+19.68
1024	Lacaille 9455	5.9	0.88	2	23 16 25.48	+3.429	0.88	2	—54 31 53.10	+19.69
1025	κ Piscium	5.0	0.00	3	23 20 10.04	+3.075	0.00	4	+ 0 32 0.83	+19.63
1026	B.A.C. 8207	7.3	0.87	3	23 27 39.74	+3.485	0.87	3	—65 25 7.52	+19.85
1027	B.A.C. 8208	6.6	0.90	1	23 27 43.09	+3.370	0.90	1	—57 33 15.50	+19.85
1028	B.A.C. 8219	6.4	0.80	1	23 30 7.71	+3.868	0.80	1	—77 35 56.47	+19.88
1029	B.A.C. 8226	6.8	0.80	1	23 31 19.18	+3.410	0.80	1	—63 36 56.73	+19.90
1030	ι Piscium	4.3	0.00	5	23 33 9.69	+3.084	0.00	4	+ 4 54 40.98	+19.47
1031	B.A.C. 8244	8.3	0.85	1	23 35 24.49	+3.310	0.85	1	—58 41 36.94	+19.94
1032	B.A.C. 8253	5.5	0.85	3	23 36 54.29	+3.365	0.85	3	—65 8 16.30	+19.95
1033	B.A.C. 8263	7.0	0.80	1	23 40 4.61	+3.379	0.80	1	—69 7 32.86	+19.98
1034	B.A.C. 8264	5.4	0.90	1	23 40 15.18	+3.215	0.90	1	—50 57 32.01	+19.98
1035	20 Piscium	5.7	0.63	2	23 41 9.30	+3.084	0.63	2	— 3 29 41.96	+19.99
1036	δ Sculptoris	4.6	0.00	3	23 42 2.76	+3.133	0.00	2	—28 51 35.42	+19.92
1037	B.A.C. 8283	8	0.80	1	23 42 53.00	+3.260	0.80	1	—61 52 9.60	+20.00
1038	B.A.C. 8305	6.7	0.87	3	23 46 38.00	+3.255	0.87	3	—66 41 3.10	+20.02
1039	B.A.C. 8327	6.8	0.80	2	23 51 33.70	+3.086	0.80	2	—16 34 55.12	+20.04
1040	27 Piscium	5.0	0.59	3	23 51 54.97	+3.068	0.59	3	— 4 17 16.66	+19.92
1041	B.A.C. 8329	5.1	0.83	3	23 52 4.75	+3.137	0.83	3	—53 28 58.03	+20.04
1042	Lacaille 9688	5.3	0.87	2	23 54 5.41	+3.116	0.87	2	—51 10 52.58	+20.05
1043	30 Piscium	4.6	0.67	3	23 55 11.40	+3.078	0.67	3	— 6 44 49.50	+20.01
1044	B.A.C. 8365	6.5	0.80	2	23 58 17.81	+3.072	0.80	2	— 1 14. 9.31	+20.06
1045	B.A.C. 8367	7.5	0.89	2	23 58 25.30	+3.086	0.89	2	—52 52 54.36	+20.06
1046	33 Piscium	4.6	0.67	3	23 58 34.75	+3.071	0.67	3	— 6 26 44.66	+20.09

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS
OF
MERIDIAN OBSERVATIONS OF STARS
MADE IN THE YEAR
1869.

REDUCED TO MEAN PLACE FOR 1869·0.

358 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β Hydri.				β Hydri S.P.—continued.			
Jan. 11	CF	^{h m s} o 18 49'48	^{° ' "}	Apr. 29	JS	^{h m s} o 18 49'40	^{° ' "}
19	JS	49'80	167 59 30'74	30	IF	49'28	167 59 35'13
23	G	49'71	...	Nov. 8	G	49'27	32'63
Mar. 24	G	49'39	30'80	13	G	49'34	...
30	G	49'55	29'75	23	G	48'93	...
31	G	49'09	...	28	G	49'46	...
Apr. 4	G	49'20	...	29	G	49'35	...
11	G	49'42	...	Dec. 15	G	49'06	...
12	G	49'29	...	17	G	48'97	...
22	G	49'16	31'37	22	G	48'91	...
28	G	49'11	...	28	G	49'32	...
29	G	49'20	...			o 18 49'25	167 59 33'20
30	G	49'09	...	10 Ceti.			
May 2	G	49'18	31'91	June 30	G	o 19 54'39	90 46 30'40
Nov. 13	G	49'09	...	Sept. 20	IF	54'34	30'78
23	G	49'43	...	Oct. 18	JS	...	32'17
24	G	48'91	...			o 19 54'37	90 46 31'12
25	G	49'16	...	12 Ceti.			
Dec. 9	G	...	31'25	Sept. 20	IF	...	94 40 53'21
11	G	49'34	...	Oct. 18	JS	...	52'88
13	IF	...	30'83	Dec. 11	G	...	55'36
18	G	49'11	...			o 23 21	94 40 53'82
		o 18 49'29	167 59 30'95	13 Ceti.			
β Hydri S.P.				Aug. 24	IF	o 28 30'51	94 18 52'16
Jan. 5	IF	o 18(49'74)	167 59(35'66)	Nov. 14	JS	30'37	51'28
11	OF	49'40	...	15	G	30'45	50'99
30	G	49'22	...				
Mar. 24	G	49'46	32'52				
31	G	49'29	...				
Apr. 12	G	49'37	33'14				
21	IF	49'00	33'43				
22	JS	49'53	...				
23	IF	49'23	32'33				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
13 Ceti—continued.				μ Piscium—continued.			
Dec. 11	G	^{h m s} 0 28 30.28	94° 18' 51".35	Nov. 15	G	^{h m s} 1 23 19.49	84° 31' 54".53
12	JS	...	49.86	16	IF	19.44	55.38
		0 28 30.40	94 18 51.13			1 23 19.40	84 31 55.80
20 Ceti.				ν Piscium.			
June 30	G	0 46 18.88	91 51 20.32	Aug. 25	G	...	85 10 34.42
Aug. 24	IF	18.86	22.44	Oct. 19	G	...	34.92
25	G	18.74	21.78	20	JS	...	35.00
Nov. 14	JS	18.85	21.63	Nov. 15	G	...	34.35
15	G	...	22.49	16	IF	...	34.24
		0 46 18.83	91 51 21.73			1 34 37	85 10 34.59
33 Ceti.				ο Piscium.			
July 28	JS	1 3 49.18	88 15 8.77	Oct. 19	G	...	81 30 9.19
Oct. 19	G	...	6.83	20	JS	1 38 28.82	9.81
Dec. 12	JS	49.22	8.64			1 38 28.82	81 30 9.50
		1 3 49.20	88 15 8.08				
38 Ceti.				ξ ¹ Ceti.			
July 28	JS	1 8 7.91	91 40 31.95	Aug. 27	IF	2 6 3.60	81 46 7.93
				Nov. 16	IF	3.71	8.09
				17	JS	3.60	7.28
						2 6 3.64	81 46 7.77
ζ Piscium.				ξ ² Ceti.			
Oct. 19	G	...	87 4 33.65	Aug. 27	IF	...	82 7 42.89
Dec. 12	JS	1 11 2.67	32.61	Nov. 16	IF	...	40.35
		1 11 2.67	87 4 33.13	17	JS	...	41.49
μ Piscium.						2 21 12	82 7 41.58
Aug. 25	G	1 23 19.28	84 31 57.48				

360 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
μ Ceti.				B. A. C. 1077.			
Sept. 24	JS	^{h m s} 2 37 51.90	80° 26' 26".29	Jan. 5	IF	^{h m s} 3 21 30.93	132° 5' 49".53
Oct. 20	JS	51.85	24.33	γ Tauri.			
Dec. 15	JS	51.81	24.83	Aug. 27	IF	3 23 38.74	77 30 51.78
		2 37 51.85	80 26 25.15	B. A. C. 1094.			
λ Ceti.				Jan. 13	IF	3 25 0.72	159 47 41.51
Sept. 24	JS	2 52 41.80	81 36 57.24	B. A. C. 1108.			
Nov. 17	JS	41.74	58.43	Jan. 5	IF	3 27 48.98	167 11 48.95
Dec. 15	JS	41.75	58.36	B. A. C. 1131.			
		2 52 41.76	81 36 58.01	Jan. 13	IF	3 32 56.72	156 11 58.51
B. A. C. 996.				B. A. C. 1160.			
Jan. 5	IF	3 6 11.78	139 13 46.25	Jan. 5	IF	3 37 57.78	136 22 35.12
B. A. C. 1027.				η Tauri.			
Jan. 5	IF	3 11 54.30	149 59 53.99	Jan. 22	CF	3 39 42	66 18 6.23
B. A. C. 1048.				ϵ Tauri.			
Jan. 13	IF	3 14 56.06	153 4 37.19	Dec. 15	JS	3 41 5.25	79 15 43.28
ξ Tauri.				B. A. C. 1198.			
Jan. 22	CF	3 20 4.39	80 43 31.61	Jan. 13	IF	3 41 33.52	168 44 37.57
Aug. 27	IF	4.40	34.04				
Nov. 17	JS	4.17	31.83				
		3 20 4.32	80 43 32.49				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
Lacaille 1285.				γ Tauri.			
Jan. 5	IF	$\begin{smallmatrix} h & m & s \\ 3 & 45 & 4 \end{smallmatrix} 18$	$160^{\circ} 25' 31'' 08$	Jan. 22	OF	$\begin{smallmatrix} h & m & s \\ 4 & 12 & 20 \end{smallmatrix} 42$	$74^{\circ} 41' 26'' 26$
				23	G	20 49	26 51
γ Hydri S.P.				Aug. 29	JS	20 50	28 02
Mar. 5	JS	...	164 38 29 42			$4 \ 12 \ 20 \cdot 47$	$74 \ 41 \ 26 \cdot 93$
9	G	...	25 66	B. A. C. 1359.			
		3 49 18	164 38 27 54	Jan. 5	IF	4 16 10 89	156 59 59 13
λ Tauri.				δ^s Tauri.			
Sept. 24	JS	3 53 25 51	77 52 55 33	Jan. 22	OF	4 17 54 73	72 22 24 66
Nov. 19	IF	...	54 86	23	G	54 77	26 14
		3 53 25 51	77 52 55 10			4 17 54 75	72 22 25 40
B. A. C. 1248.				ϵ Tauri.			
Jan. 13	IF	3 54 22 58	153 50 35 94	Oct. 23	JS	...	71 6 44 34
B. A. C. 1283.				Dec. 17	IF	...	45 87
Jan. 13	IF	4 3 9 66	139 58 47 29			4 20 58	71 6 45 11
20	IF	...	48 96	α Tauri.			
		4 3 9 66	139 58 48 13	Feb. 19	IF	...	73 45 22 29
48 Tauri.				20	JS	...	22 82
Aug. 29	JS	4 8 20 08	74 55 46 42	Mar. 19	IF	...	22 58
B. A. C. 1325.				Oct. 23	JS	...	23 35
Jan. 13	IF	4 11 8 87	148 21 12 92	Nov. 19	IF	...	22 30
				Dec. 17	IF	...	22 69
						4 28 24	73 45 22 67

362 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 1454.				m Tauri.			
Aug. 27	G	$\begin{smallmatrix} h & m & s \\ 4 & 32 & 41\cdot08 \end{smallmatrix}$	$171^{\circ} 52' 22\cdot08''$	Nov. 20	JS	$\begin{smallmatrix} h & m & s \\ 4 & 59 & 42\cdot56 \end{smallmatrix}$	$71^{\circ} 31' 58\cdot71''$
31	G	$40\cdot84$	...	l Tauri.			
		$4\ 32\ 40\cdot96$	$171\ 52\ 22\cdot08$	Oct. 23	JS	$5\ 0\ 3\cdot29$	$69\ 45\ 25\cdot70$
B. A. C. 1454 S.P.				15 Orionis.			
Aug. 27	G	$4\ 32\ 41\cdot34$	$171\ 52\ 23\cdot70$	Jan. 23	G	$5\ 2\ 12\cdot26$	$74\ 34\ 20\cdot84$
28	G	$41\cdot01$	...	24	G	$12\cdot08$	$21\cdot62$
30	G	$41\cdot21$	...			$5\ 2\ 12\cdot17$	$74\ 34\ 21\cdot23$
31	G	$41\cdot42$	...	B. A. C. 1600.			
		$4\ 32\ 41\cdot25$	$171\ 52\ 23\cdot70$	Jan. 13	IF	$5\ 3\ 16\cdot01$	$147\ 39\ 6\cdot79$
B. A. C. 1499.				8 Orionis.			
Jan. 5	IF	$4\ 44\ 32\cdot10$	$134\ 12\ 37\cdot82$	Jan. 24	G	$5\ 8\ 14\cdot49$	...
i Aurigæ.				Oct. 24	G	$14\cdot58$	...
Jan. 23	G	$4\ 48\ 27\cdot87$	$57\ 3$			$5\ 8\ 14\cdot54$	$98\ 21$
B. A. C. 1548.				n Tauri.			
Jan. 5	IF	$4\ 53\ 18\cdot60$	$156\ 53\ 3\cdot25$	Sept. 27	G	$5\ 11\ 24\cdot40$	$68\ 2\ 30\cdot27$
B. A. C. 1556.				B. A. C. 1652.			
Jan. 13	IF	$4\ 55\ 18\cdot23$	$162\ 37\ 26\cdot20$	Jan. 13	IF	$5\ 12\ 37\cdot75$	$142\ 19\ 40\cdot62$
11 Orionis.				B. A. C. 1697.			
Jan. 23	G	$4\ 57\ 5\cdot16$	$74\ 46\ 50\cdot35$	Jan. 13	IF	$5\ 18\ 54\cdot92$	$150\ 54\ 30\cdot14$
24	G	$4\cdot99$	$49\cdot62$				
		$4\ 57\ 5\cdot08$	$74\ 46\ 49\cdot99$				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
115 Tauri.				ζ Tauri—continued.			
Oct. 23	JS	^h 5 ^m 19 ^s 31'71	72° 9' 10"16	Sept. 27	G	^h 5 ^m 29 ^s 49'00	68° 56' 24"67
24	G	31'61	10'36	Nov. 20	JS	49'03	24'30
		5 19 31'66	72 9 10'26	Dec. 17	IF	48'70	26'48
ο Tauri.				18	G	49'03	24'43
Dec. 17	IF	5 19 45'93	68 10 40'53			5 29 48'96	68 56 24'73
18	G	46'13	39'92	α Columbe.			
		5 19 46'03	68 10 40'23	Jan. 20	IF	5 34 54'18	...
119 Tauri.				24	G	54'22	...
Feb. 20	JS	5 24 31'96	71 30 20'13	Dec. 18	G	54'21	...
8 Orionis.						5 34 54'20	124 9
July 18	G	5 25 18'84	90 24	χ ¹ Orionis.			
α Leporis.				Jan. 24	G	5 46 37'53	69 45 3'90
Jan. 24	G	5 26 57'12	...	25	JS	37'62	2'96
July 18	G	57'16	...	Nov. 20	JS	37'55	4'25
		5 26 57'14	107 55			5 46 37'57	69 45 3'70
ε Orionis.				α Orionis.			
Jan. 24	G	5 29 33'87	...	July 18	G	5 48 4'81	...
July 18	G	33'97	...	Oct. 24	G	4'78	...
		5 29 33'92	91 17			5 48 4'80	82 37
ζ Tauri.				ν Orionis.			
Feb. 20	JS	5 29 49'05	68 56 23'79	Jan. 24	G	6 0 5'46	...
				Oct. 24	G	5'53	...
						6 0 5'50	75 13

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
η Geminorum.				α Canis Majoris— <i>continued.</i>			
Sept. 27	G	$\begin{smallmatrix} h & m & s \\ 6 & 6 & 58.25 \end{smallmatrix}$	$67^{\circ} 27' 28''.30$	July 15	G	$\begin{smallmatrix} h & m & s \\ 6 & 39 & 22.34 \end{smallmatrix}$	$^{\circ} \dots ''$
Oct. 24	G	58.15	27.59	16	G	22.32	\dots
25	IF	\dots	30.08	Nov. 22	IF	22.46	\dots
Dec. 18	G	58.25	29.65			$6 \ 39 \ 22.38$	$106 \ 32$
		$6 \ 6 \ 58.22$	$67 \ 27 \ 28.91$	ζ^2 Geminorum.			
μ Geminorum.				Jan. 25	JS	$6 \ 56 \ 20.18$	$69 \ 14 \ 22.73$
Jan. 24	G	$6 \ 15 \ 2.02$	\dots	26	IF	20.17	23.30
Sept. 27	G	\dots	$67 \ 25 \ 19.32$	Nov. 22	IF	20.51	25.66
Oct. 24	G	2.11	17.80			$6 \ 56 \ 20.29$	$69 \ 14 \ 23.90$
25	IF	\dots	19.26	λ Geminorum.			
Dec. 18	G	\dots	19.17	Jan. 25	JS	$7 \ 10 \ 33.59$	$73 \ 13 \ 30.86$
19	JS	\dots	18.10	26	IF	33.78	29.39
		$6 \ 15 \ 2.07$	$67 \ 25 \ 18.73$			$7 \ 10 \ 33.69$	$73 \ 13 \ 30.13$
ν Geminorum.				δ Geminorum.			
Jan. 24	G	$6 \ 21 \ 10.94$	$69 \ 42 \ 27.98$	Mar. 21	G	\dots	$67 \ 46 \ (49.45)$
25	JS	11.09	\dots	22	IF	\dots	45.93
Mar. 21	G	11.11	28.37	Dec. 19	JS	\dots	43.27
Nov. 22	IF	11.10	27.80			$7 \ 12 \ 18$	$67 \ 46 \ 44.60$
		$6 \ 21 \ 11.06$	$69 \ 42 \ 28.05$	δ_3 Geminorum.			
γ Geminorum.				Feb. 23	G	$7 \ 19 \ 57.73$	$68 \ 17 \ 21.27$
Dec. 19	JS	$6 \ 30 \ 9$	$73 \ 29 \ 30.22$	Mar. 22	IF	57.84	21.31
α Canis Majoris.				Nov. 22	IF	57.65	23.20
Jan. 26	IF	$6 \ 39 \ 22.37$	\dots	Dec. 19	JS	57.63	22.10
Feb. 3	IF	22.41	\dots			$7 \ 19 \ 57.71$	$68 \ 17 \ 21.97$

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α^1 Geminorum.				A Octantis.			
Feb. 23	G	$\begin{smallmatrix} h & m & s \\ 7 & 26 & 13 \cdot 86 \end{smallmatrix}$	$57^\circ 50' "$	Apr. 27	G	$\begin{smallmatrix} h & m & s \\ 8 & 14 & 31 \cdot 71 \end{smallmatrix}$	$^\circ \quad ' \quad "$
α Canis Minoris.				A Octantis S.P.			
Feb. 23	G	$7 \ 32 \ 26 \cdot 40$	...	Apr. 26	G	$8 \ 14 \ 30 \cdot 80$	$178 \ 29 \ 8 \cdot 92$
Aug. 2	G	$26 \cdot 52$	...	27	G	$32 \cdot 54$	$4 \cdot 20$
6	G	$26 \cdot 56$	...			$8 \ 14 \ 31 \cdot 67$	$178 \ 29 \ 6 \cdot 56$
8	G	$26 \cdot 55$	...	α^1 Cancri.			
13	G	$26 \cdot 59$	...	Jan. 26	IF	$8 \ 15 \ 51 \cdot 59$	$71 \ 14 \ 57 \cdot 68$
15	G	$26 \cdot 58$	...	η Cancri.			
24	G	$26 \cdot 65$	...	Mar. 22	IF	...	$69 \ 6 \ 56 \cdot 94$
Nov. 22	IF	$26 \cdot 59$	...	23	G	$8 \ 25 \ 7 \cdot 87$	$55 \cdot 72$
		$7 \ 32 \ 26 \cdot 56$	$84 \ 26$	Nov. 23	JS	...	$57 \cdot 04$
ρ Geminorum.				Dec. 21	JS	...	$57 \cdot 69$
Nov. 22	IF	$7 \ 38 \ 32 \cdot 35$	$71 \ 10 \ 24 \cdot 43$			$8 \ 25 \ 7 \cdot 87$	$69 \ 6 \ 56 \cdot 85$
μ^2 Cancri.				γ Cancri.			
Apr. 19	JS	$8 \ 0 \ 3 \cdot 24$	$68 \ 2 \ 24 \cdot 64$	Nov. 23	JS	$8 \ 35 \ 42 \cdot 01$	$68 \ 3 \ 45 \cdot 54$
15 Argus.				δ Cancri.			
Mar. 23	G	$8 \ 1 \ 57 \cdot 83$	$113 \ 56$	Mar. 23	G	$8 \ 37 \ 14 \cdot 26$	$71 \ 21 \ 55 \cdot 16$
ζ Cancri.				Apr. 19	JS	$14 \cdot 21$	$54 \cdot 99$
Jan. 26	IF	...	$71 \ 57 \ 32 \cdot 77$	20	G	$14 \cdot 31$	$55 \cdot 91$
Mar. 22	IF	$8 \ 4 \ 41 \cdot 83$	$35 \cdot 02$	Dec. 21	JS	$14 \cdot 26$	$56 \cdot 00$
23	G	$41 \cdot 90$	$32 \cdot 88$			$8 \ 37 \ 14 \cdot 26$	$71 \ 21 \ 55 \cdot 52$
Apr. 19	JS	$41 \cdot 77$	$34 \cdot 90$				
		$8 \ 4 \ 41 \cdot 83$	$71 \ 57 \ 33 \cdot 89$				

366 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ϵ Hydræ.				β Argûs S.P.			
Mar. 23	G	$\begin{smallmatrix} h & m & s \\ 8 & 39 & 50\cdot30 \end{smallmatrix}$	$83^{\circ} 6' "$	Oct. 15	IF	$\begin{smallmatrix} h & m & s \\ 9 & 11 & \end{smallmatrix}$	$159^{\circ} 10' 44'' 16$
σ^2 Cancrî.				ϵ Hydræ.			
Jan. 28	CF	$8\ 50\ 16\cdot19$	$73\ 55\ 0\cdot73$	Dec. 22	G	$9\ 21\ 8\cdot94$	$98\ 6$
Apr. 19	JS	$16\cdot12$	$4\cdot30$	σ Leonis.			
		$8\ 50\ 16\cdot16$	$73\ 55\ 2\cdot52$	Jan. 1	JS	$9\ 34\ 10$	$79\ 30\ 47\cdot28$
π^2 Cancrî.				ψ Leonis.			
Jan. 28	CF	$9\ 7\ 59\cdot86$	$74\ 30\ 59\cdot40$	Apr. 21	IF	$9\ 36\ 35\cdot66$	$75\ 22\ 48\cdot27$
Mar. 23	G	$59\cdot85$	$60\cdot87$	Dec. 21	JS	$35\cdot84$	$47\cdot83$
24	JS	$59\cdot77$	$58\cdot71$	22	G	$35\cdot71$	$47\cdot35$
		$9\ 7\ 59\cdot83$	$74\ 30\ 59\cdot66$			$9\ 36\ 35\cdot74$	$75\ 22\ 47\cdot82$
8_3 Cancrî.				18 Leonis.			
Jan. 28	CF	...	$71\ 44\ 25\cdot75$	Feb. 25	G	$9\ 39\ 19\cdot70$	$77\ 35\ 15\cdot60$
Mar. 23	G	$9\ 11\ 40\cdot07$	$26\cdot99$	ν Leonis.			
24	JS	...	$26\cdot94$	Feb. 25	G	$9\ 51\ 10\cdot44$	$76\ 55\ 52\cdot73$
Dec. 21	JS	...	$23\cdot93$	Mar. 24	JS	$10\cdot45$	$55\cdot46$
22	G	$40\cdot07$	$27\cdot77$	Apr. 21	IF	$10\cdot27$	$51\cdot98$
		$9\ 11\ 40\cdot07$	$71\ 44\ 26\cdot28$			$9\ 51\ 10\cdot39$	$76\ 55\ 53\cdot39$
β Argûs.				α Leonis.			
May 19	IF	$9\ 11(44\cdot09)$	$159\ 10\ 38\cdot20$	Jan. 28	CF	...	$77\ 23\ 36\cdot87$
Oct. 14	G	$44\cdot93$	$39\cdot67$	Mar. 24	JS	...	$35\cdot09$
Nov. 17	JS	$45\cdot18$...				
		$9\ 11\ 45\cdot06$	$159\ 10\ 38\cdot94$				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>α Leonis—continued.</i>				<i>ι Leonis—continued.</i>			
May 19	IF	^h ^m ^s ...	77° 23' 35" 97	Apr. 21	IF	^h ^m ^s ...	78° 45' 43" 75
Dec. 22	G	10 1 23' 59	36' 32	22	JS	...	43' 74
23	IF	23' 79	34' 86			10 42 22	78 45 43' 86
		10 1 23' 69	77 23 35' 82	<i>χ Leonis.</i>			
<i>γ¹ Leonis.</i>				Mar. 26	JS	...	81 57 21' 56
Jan. 28	CF	10 12 44' 95	...	June 16	IF	...	22' 83
Feb. 25	G	44' 77	...	Dec. 23	IF	10 58 15' 59	21' 95
Sept. 14	G	44' 79	...			10 58 15' 59	81 57 22' 11
15	G	44' 89	...	<i>δ Leonis.</i>			
16	G	44' 87	...	Dec. 23	IF	11 7 8' 26	68 46
Oct. 3	G	44' 75	...	<i>δ Hydre.</i>			
Dec. 23	IF	44' 87	...	Dec. 23	IF	11 12 47' 48	104 4
		10 12 44' 84	69 30	<i>σ Leonis.</i>			
<i>ρ Leonis.</i>				Mar. 26	JS	11 14 22' 69	83 15
Jan. 28	CF	...	80 1 11' 19	<i>ι Leonis.</i>			
Feb. 25	G	...	12' 06	June 16	IF	11 17 5' 79	78 44 57' 84
26	IF	...	11' 63	Dec. 23	IF	5' 65	59' 18
Apr. 21	IF	...	11' 27			11 17 5' 72	78 44 58' 51
May 19	IF	...	11' 72	<i>ν Virginis.</i>			
Dec. 22	G	10 25 54' 72	12' 25	Feb. 26	IF	11 39 7' 64	82 44 12' 10
23	IF	54' 57	11' 50	27	JS	7' 68	10' 64
		10. 25 54' 65	80 1 11' 66				
<i>ι Leonis.</i>							
Feb. 25	G	...	78 45 43' 66				
26	IF	...	44' 28				

368 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>ν</i> Virginis—continued.				<i>β</i> Corvi.			
Apr. 22	JS	^{h m s} 11 39 7 ⁶ 2	82° 44' 11 ¹⁷	Oct. 24	G	^{h m s} 12 27 30 ⁹ 8	112° 40' "
23	IF	7 ⁶ 3	11 ⁵ 8	<i>γ</i> Virginis (1st Star).			
May 20	JS	...	10 ⁸ 3	Jan. 30	G	12 35 1 ² 9	90° 43' 45 ⁶⁶
		11 39 7 ⁶ 4	82 44 11 ²⁶	31	G	1 ³ 5	46 ³⁷
<i>β</i> Virginis.				Feb. 27	JS	1 ³ 0	45 ²⁸
June 17	JS	11 43 52	87 29 50 ⁰⁹			12 35 1 ³ 1	90° 43' 45 ⁷⁷
<i>δ</i> Virginis.				<i>γ</i> Virginis (as one mass).			
June 17	JS	11 53 14	85 36 53 ⁵⁴	Apr. 23	IF	12 35 1 ³ 7	90° 43' 48 ¹⁸
<i>π</i> Virginis.				July 15	G	1 ⁴ 2	52 ⁰⁷
Feb. 26	IF	11 54 9 ⁷⁰	82 39 17 ⁶¹			12 35 1 ⁴⁰	90° 43' 50 ¹³
27	JS	9 ⁶ 9	16 ⁶⁴	<i>38</i> Virginis.			
Apr. 22	JS	9 ⁵ 2	18 ⁶²	Feb. 27	JS	12 46 28 ⁸⁰	92° 50' 25 ⁹¹
23	IF	9 ⁷ 1	16 ³³	Apr. 23	IF	28 ⁷³	26 ²⁹
		11 54 9 ⁶⁶	82 39 17 ³⁰	July 15	G	28 ⁷⁸	27 ²⁵
<i>10</i> Virginis.						12 46 28 ⁷⁷	92° 50' 26 ⁴⁸
Mar. 26	JS	12 2 58 ⁵⁷	87 21 59 ⁰⁷	<i>k</i> Virginis.			
27	IF	58 ⁶⁵	56 ⁰⁴	Jan. 31	G	12 52 54 ⁶⁴	93° 6' 16 ³⁵
		12 2 58 ⁶¹	87 21 57 ⁵⁶	Mar. 27	IF	54 ⁶⁴	16 ¹³
<i>η</i> Virginis.						12 52 54 ⁶⁴	93° 6' 16 ²⁴
Jan. 30	G	12 13 12	89 56 17 ⁸⁴	<i>48</i> Virginis.			
<i>c</i> Virginis.				Jan. 31	G	12 57 9 ⁶⁴	92° 57' 25 ⁵⁵
Mar. 27	IF	12 13 42	85 57 25 ⁰⁹				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
48 Virginis—continued.				94 Virginis.			
Mar. 27	IF	^{h m s} 12 57 9.52	92° 57' 27".54	Mar. 28	G	^{h m s} ... 98° 15' 55".09	
28	G	...	26.68	29	JS	...	55.15
June 18	IF	9.37	28.49	June 18	IF	13 59 21.72	...
		12 57 9.51	92 57 27.07			13 59 21.72	98 15 55.12
66 Virginis.				κ Virginis.			
July 15	G	13 17 44.17	94 28 42.21	Feb. 2	CF	14 5 54.73	99 39 43.43
				Mar. 28	G	...	44.86
						14 5 54.73	99 39 44.15
α Virginis.				ι Virginis.			
Oct. 24	G	13 18 17.66	100 29	Feb. 2	OF	14 9 8.99	95 22 25.67
ζ Virginis.				June 18	IF	9.01	25.53
Mar. 1	G	13 25 9.40	95 34 41.17			14 9 9.00	95 22 25.60
July 15	G	9.31	42.99	α Boötis.			
16	IF	9.64	42.20	Mar. 1	G	14 9 41.22	70 8
		13 25 9.45	95 34 42.12	2 Libræ.			
80 Virginis.				Apr. 26	JS	14 16 22.98	101 6 49.24
Mar. 1	G	13 28 42.53	94 43 39.02	July 16	IF	22.89	50.36
η Boötis.				17	JS	22.94	50.62
Mar. 1	G	13 48 26.83	70 57			14 16 22.94	101 6 50.07
τ Virginis.				ρ Boötis.			
Mar. 1	G	13 54 58.91	87 49	Mar. 1	G	14 26 11.05	69 3

370 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Octantia.				ξ^a Libræ.			
July 15	G	^{h m s} 14 26 59.09	177° 36' 21".11	Mar. 1	G	^{h m s} 14 49 39.79	100° 52' 43".17
16	IF	59.70	21.41	δ Libræ.			
17	JS	57.82	19.82	δ Libræ.			
19	G	56.74	...	Mar. 1	G	14 53 58.58	97 59 48.14
20	G	58.02	20.96	β Libræ.			
23	G	59.55	...	Feb. 2	OF	...	98 53 50.98
24	JS	60.60	20.13	Dec. 16	G	15 9 57.54	...
		14 26 58.79	177 36 20.69			15 9 57.54	98 53 50.98
α Octantis S.P.				ρ Octantis.			
July 15	G	14 26 59.59	..	Aug. 11	G	15 13 30.71	...
16	G	58.36	...	12	G	30.76	...
19	G	57.37	...	14	G	30.66	...
22	G	56.53	...	15	G	30.57	...
23	IF	61.09	...	16	IF	31.18	174 1 11.44
Aug. 2	G	...	177 36 24.84			15 13 30.78	174 1 11.44
		14 26 58.59	177 36 24.84	ρ Octantis S.P.			
ϵ^a Boötis.				Aug. 10	G	15 13 30.66	...
Mar. 1	G	14 39 16.18	62 22	11	G	30.76	174 1 10.85
α^a Libræ.				14	G	30.61	...
Feb. 2	OF	...	105 29 42.63	15	G	30.89	...
Mar. 1	G	14 43 38.09	...	16	G	30.91	...
		14 43 38.09	105 29 42.63			15 13 30.77	174 1 10.85
ξ^1 Libræ.				σ^a Libræ.			
Apr. 26	JS	14 47 16.36	101 21 41.63	July 17	JS	15 15 43.54	104 39 50.79
July 16	IF	16.45	42.31				
17	JS	16.38	42.54				
		14 47 16.40	101 21 42.16				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ε Libræ.				θ Libræ.			
Aug. 14	G	^{h m s} 15 17 6.00	99 50 56.91	Mar. 2	JS	^{h m s} 15 46 22.16	106 20 32.00
ζ ¹ Libræ.				3	IF	22.15	32.03
				Aug. 14	G	22.19	32.57
Apr. 26	JS	15 20 52.24	106 15 26.02	48 Libræ.			
27	IF	52.25	27.09				
				Mar. 2	JS	15 50 51.33	103 53 55.51
						15 20 52.25	106 15 26.56
37 Libræ.				Aug. 14	G	51.45	55.93
Aug. 14	G	15 27 1.34	99 36 47.98	15	G	51.39	55.83
γ Libræ.							
Apr. 26	JS	15 28 12.03	104 21 0.84					15 50 51.37	103 53 55.52
27	IF	11.97	1.29	49 Libræ.			
July 17	JS	12.05	0.42	Mar. 31	IF	15 52 58.86	106 8 41.40
				β ¹ Scorpii.			
				Dec. 16	G	15 28 12.02	104 21 0.85	20	G	49.36	...
α Coronæ Borealis.							
Dec. 16	G	15 29 8.50	...					15 57 49.52	...
20	G	8.44	...	8 Ophiuchi.			
22	G	8.47	...	Dec. 16	G	16 7 28.94	...
				20	G	28.96	...
				15 29 8.47	62 51	16 7 28.95	93 21
α Serpentis.				B. A. C. 5412.			
Dec. 16	G	15 37 48.99	...	Aug. 27	G	16 12 43.94	176 6 14.83
20	G	49.11	...	28	G	44.20	...
22	G	49.04	...				

372 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5412 S.P.				B. A. C. 5579.			
Aug. 27	IF	^{h m s} 16 12 45.04	176° 6' 18.50	June 22	IF	^{h m s} 16 33 59.90	107° 29' 8.38
ψ Ophiuchi.				July 18	JS	59.98	8.19
Mar. 3	IF	16 16 26.30	109 43 42.91	19	G	59.96	8.31
				16 33 59.95	107 29 8.29		
χ Ophiuchi.				α Trianguli Australia.			
Apr. 27	IF	16 19 25.96	108 9 22.36	Jan. 3	G	16 34 48.64	...
α Scorpii.				5	G	48.85	...
July 19	G	16 21 22.66	...	8	G	48.58	...
Dec. 16	G	22.66	...	Feb. 18	G	48.61	...
20	G	22.74	...	21	G	48.70	...
		16 21 22.69	116 8	Mar. 1	G	48.57	...
φ Ophiuchi.				3	IF	(49.25)	158 46 55.63
Mar. 31	IF	16 23 38.63	106 19 27.20	Dec. 27	G	48.69	54.84
Apr. 27	IF	38.39	28.40	28	G	48.88	...
28	JS	38.50	26.91	29	G	48.85	55.61
July 18	JS	38.69	26.91			16 34 48.71	158 46 55.36
19	G	38.55	27.00	α Trianguli Australis S.P.			
		16 23 38.55	106 19 27.28	Jan. 5	IF	...	158 46 (60.51)
B. A. C. 5510.				13	IF	...	53.10
Aug. 30	G	16 24 25.82	...			16 34 48	158 46 53.10
31	G	26.04	167 14 11.44	κ Ophiuchi.			
		16 24 25.93	167 14 11.44	July 19	G	16 51 28.15	80 25
B. A. C. 5510 S.P.				29 Ophiuchi.			
Aug. 30	G	16 24 25.92	...	Mar. 31	IF	16 54 11.81	108 41 22.21
				Apr. 1	JS	11.92	22.18

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
29 Ophiuchi—continued.				58 Ophiuchi—continued.			
Aug. 15	G	^{h m s} 16 54 11.62	108° 41' 24".73	July 19	G	^{h m s} 17 35 34.93	111° 36' 58".32
16	IF	11.56	23.60	20	IF	...	57.36
		16 54 11.73	108 41 23.18	Aug. 16	IF	34.90	59.34
B. A. C. 5758.				17	G	34.83	58.87
Mar. 31	IF	16 58 22.74	111 22 48.20			17 35 34.84	111 36 58.47
Apr. 1	JS	22.59	48.49	B. A. C. 5936.			
		16 58 22.67	111 22 48.35	Sept. 13	JS	...	177 39 11.37
α Herculis.				15	G	...	11.07
July 19	G	17 8 40.57	75 27	16	G	17 37 41.33	...
ξ Ophiuchi.				17	JS	40.77	11.17
Apr. 28	JS	17 13 9.14	110 58 8.31			17 37 41.05	177 39 11.20
29	JS	9.32	9.86	B. A. C. 5936 S.P.			
May 26	IF	9.29	9.10	Sept. 16	JS	17 37 49.11	177 39
July 19	G	9.24	8.75	B. A. C. 6098.			
20	IF	...	8.86	Sept. 13	JS	17 54 48.40	110 44 0.70
Aug. 15	G	9.27	10.42	σ Octantis.			
16	IF	9.26	9.77	Sept. 21	G	18 4 34	179 16 44.19
		17 13 9.25	110 58 9.30	μ ¹ Sagittarii.			
α Ophiuchi.				Apr. 1	JS	...	111 5 22.82
July 19	G	17 28 51.26	77 21	29	JS	...	24.34
58 Ophiuchi.				May 26	IF	...	24.43
Apr. 28	JS	17 35 34.69	111 36 58.44	July 21	JS	...	23.57
29	JS	34.86	...	Aug. 16	IF	...	24.09
				17	G	...	24.35
						18 5 56	111 5 23.93

374 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
21 Sagittarii.				d Sagittarii.			
Apr. 1	JS	^h ^m ^s ...	110° 36' 30" 26	May 27	JS	^h ^m ^s 19 9 58·21	109° 10' 61" 00
29	JS	18 17 32·86	30·82	28	IF	58·12	59·26
30	IF	32·86	32·22	July 21	JS	58·10	59·58
May 26	IF	32·89	31·68		19 9 58·14	109 10 59·95	
27	JS	32·99	30·19	ρ ¹ Sagittarii.			
Sept. 13	JS	32·91	32·05	Apr. 30	IF	19 14 4·52	108 5 27·09
14	IF	32·93	31·68	May 27	JS	4·34	27·85
		18 17 32·91	110 36 31·27	28	IF	...	28·20
α Lyrae.				Sept. 14	IF	4·10	27·85
Aug. 17	G	18 32 30·07	51 20	15	G	4·39	28·11
ξ ² Sagittarii.					19 14 4·34	108 5 27·82	
Apr. 29	JS	18 49 54·81	111 16 32·55	f Sagittarii.			
30	IF	54·89	33·59	Apr. 30	IF	19 38 43·16	110 4 23·12
Sept. 13	JS	54·87	33·45	Aug. 18	IF	43·04	24·39
14	IF	54·64	33·31	Sept. 14	IF	42·91	23·76
		18 49 54·80	111 16 33·23	15	G	43·19	24·73
o Sagittarii.					19 38 43·08	110 4 24·00	
Aug. 17	G	18 56 49·91	111 55 49·60	57 Sagittarii.			
18	IF	49·78	49·83	May 28	IF	19 44 35·19	109 22 30·77
		18 56 49·85	111 55 49·72	Aug. 18	IF	35·10	29·74
π Sagittarii.					19 44 35·15	109 22 30·26	
July 21	JS	19 1 58·23	111 13 44·19	ε Pavonis.			
Aug. 17	G	58·27	43·28	Apr. 12	G	19 45 23·39	163 15
18	IF	58·20	44·38				
		19 1 58·23	111 13 43·95				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ε Pavonis S.P.				ν Capricorni—continued.			
Apr. 12	G	^h ^m ^s ...	163° 15' 4" 35	Sept. 15	G	^h ^m ^s 20 32 35.45	108° 35' 52" 22
19	JS	...	4' 33	16	JS	35.47	52.29
		19 45 23	163 15 4.34			20 32 35.52	108 35 52.21
σ Capricorni.				θ Capricorni.			
May 28	IF	20 11 50.00	109 31 30.86	May 2	JS	20 58 34.82	107 45 5.35
July 23	IF	49.96	29.46	July 23	IF	34.63	5.21
Oct. 12	JS	49.95	29.56	24	JS	34.86	3.95
13	IF	49.95	31.00	Aug. 20	IF	34.90	5.56
		20 11 49.97	109 31 30.22	Oct. 13	IF	34.72	6.12
ρ Capricorni.				14	G	34.86	4.66
May 1	JS	...	108 14 40.25	Nov. 10	JS	...	5.05
2	JS	...	39.85			20 58 34.80	107 45 5.13
July 23	IF	...	40.52	ι Capricorni.			
Sept. 15	G	...	40.85	May 2	JS	21 14 57.00	107 23 24.95
16	JS	...	40.83	July 23	IF	56.90	25.89
Oct. 12	JS	...	40.09	24	JS	57.04	24.88
13	IF	...	38.61	Sept. 16	JS	57.00	25.46
		20 21 23	108 14 40.14	17	IF	57.06	26.54
τ Capricorni.				Oct. 13	IF	56.75	24.42
May 1	JS	20 31 56.69	105 24 44.97	14	G	57.03	25.88
2	JS	56.47	41.50			21 14 56.97	107 23 25.43
		20 31 56.58	105 24 43.24	λ Octantis.			
υ Capricorni.				May 27	JS	21 30 31.04	173 18 59.97
Aug. 20	IF	20 32 35.64	108 35 52.13	28	IF	29.79	...
				30	JS	...	60.68
						21 30 30.42	173 19 0.33

376 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
λ Octantis S.P.				ι Aquarii—continued.			
May 27	G	^{h m s} 21 30 30.80	° ' "	Oct. 14	G	^{h m s} 21 59 21.64	104° 30' 14".41
28	G	30.51	...	15	IF	21.67	14.25
		21 30 30.66	173 19			21 59 21.68	104 30 13.98
γ Capricorni.				ε² Aquarii.			
Aug. 20	IF	21 32 49.84	107 15 8.14	Sept. 17	IF	22 3 37.24	102 12 29.32
Sept. 16	JS	49.84	9.59	18	G	37.19	29.03
17	IF	49.90	7.97	Oct. 14	G	37.20	28.48
Nov. 10	JS	...	8.22	15	IF	37.18	27.22
11	G	49.89	8.19			22 3 37.20	102 12 28.51
		21 32 49.87	107 15 8.42	C Octantis.			
δ Capricorni.				May 27	JS	22 5 40.79	176 37 45.29
May 30	JS	21 39 48.39	106 43 12.46	28	IF	41.08	...
31	IF	48.60	12.43	30	JS	...	45.37
Aug. 20	IF	48.42	13.44	June 1	JS	...	46.52
Nov. 10	JS	...	12.11			22 5 40.94	176 37 45.73
11	G	48.50	12.48	C Octantis S.P.			
		21 39 48.48	106 43 12.58	May 27	G	22 5 41.10	...
μ Capricorni.				28	G	40.89	...
May 30	JS	21 46 9.08	104 10 0.83			22 5 41.00	176 38
31	IF	9.23	0.49	50 Aquarii.			
July 24	JS	9.15	0.70	Nov. 11	G	22 17 25.84	104 11 32.34
		21 46 9.15	104 10 0.67	12	IF	25.97	32.90
ι Aquarii.						22 17 25.91	104 11 32.62
July 24	JS	21 59 21.70	104 30 13.69	σ Aquarii.			
Sept. 17	IF	21.69	13.56	May 31	IF	22 23 42.88	101 20 50.93

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
σ Aquarii—continued.				τ Octantis.			
June 1	JS	^{h m s} 22 23 42.69	101° 20' 50".78	June 4	G	^{h m s} 23 7 0.26	178° 11' 61".83
Oct. 15	IF	42.80	48.48	5	JS	...	60.97
16	G	42.80	51.26	6	JS	...	58.22
Nov. 11	G	42.67	51.26	7	G	0.76	...
12	IF	42.65	49.57	8	G	0.03	(55.42)
		22 23 42.75	101 20 50.38	9	G	1.60	...
γ Aquarii.				10	G	1.38	...
Oct. 15	IF	22 41 36.58	101 14 44.63	13	JS	...	59.62
16	G	36.58	46.87	17	JS	...	58.89
		22 41 36.58	101 14 45.75			23 7 0.81	178 11 59.91
π^2 Aquarii.				τ Octantis S.P.			
May 31	IF	22 42 39.37	104 16 61.23	June 5	G	23 7 0.73	178 11 60.48
June 1	JS	39.24	58.68	7	G	0.83	...
		22 42 39.31	104 16 59.96	8	G	0.31	61.03
λ Aquarii.				9	G	1.40	...
Sept. 18	G	22 45 46.77	98 16 32.85	10	G	1.40	61.77
19	JS	...	33.81	14	JS	...	60.35
		22 45 46.77	98 16 33.33	17	JS	...	60.39
α Piscis Australis.				18	IF	2.41	59.44
Mar. 22	G	22 50 24.34	120 19			23 7 1.18	178 12 0.58
δ^1 Aquarii.				ψ^1 Aquarii.			
Nov. 12	IF	22 58 19.80	98 23 56.59	June 1	JS	23 9 1.54	99 48 3.70
13	G	19.86	60.18	Sept. 18	G	1.76	2.38
		22 58 19.83	98 23 58.39	Nov. 12	IF	1.44	1.78
ψ^2 Aquarii.				13	G	1.59	3.46
Oct. 16	G	23 11 5.69	99 53 49.53			23 9 1.58	99 48 2.83
17	JS	...	49.21				
		23 11 5.69	99 53 49.37				

Data.	Observer.	R.A.	N.P.D.	Data.	Observer.	R.A.	N.P.D.
96 Aquarii.				29 Piscium.			
June 1	JS	^{h m s} 23 12 36.29	95° 50' 22".61	Aug. 23	JS	^{h m s} 23 55 6.65	93° 45' 23".87
				24	IF	6.79	23.90
κ Piscium.						23 55 6.72	93 45 23.89
Aug. 23	JS	23 20 13	89 27 39.44	30 Piscium.			
20 Piscium.				Sept. 20	IF	23 55 14.62	96 44 31.40
				Nov. 13	G	14.56	31.15
Oct. 16	G	23 41 12.56	93 29 21.34	14	JS	14.40	30.56
27 Piscium.						23 55 14.53	96 44 31.04
Aug. 23	JS	23 51 58.03	94 16 58.20	33 Piscium.			
24	IF	58.04	57.17	Nov. 13	G	23 58 37.84	96 26 24.67
		23 51 58.04	94 16 57.69	14	JS	37.79	25.18
						23 58 37.82	96 26 24.93

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

CATALOGUE

OF

MEAN RIGHT ASCENSIONS

AND

MEAN DECLINATIONS,

FOR

1869'0,

OF

STARS OBSERVED IN THE YEAR 1869.

380 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1869°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1869°.	Annual Variation 1865°.
1	β Hydri.....	2°90'00	20		^{h m s} 0 18 49'29	+3°284	0°00	7	—77° 59' 30" 95	+20" 25
2	β Hydri S.P.....	0°00	19		49'25	...	0°00	6	33'20	...
3	10 Ceti.....	6°20'61	2	0	19 54'37	+3°077	0°67	3	—0 46 31'12	+19°98
4	12 Ceti.....	6°2	...	0	23 21	+3°059	0°00	3	—4 40 53'82	+19°94
5	13 Ceti.....	5°30'83	4	0	28 30'40	+3°087	0°85	5	—4 18 51'13	+19°87
6	20 Ceti.....	5°00'66	4	0	46 18'83	+3°059	0°70	5	—1 51 21'73	+19°65
7	33 Ceti.....	6°30'76	2	1	3 49'20	+3°082	0°77	3	+1 44 51'92	+19°28
8	38 Ceti.....	5°80'57	1	1	8 7'91	+3°054	0°57	1	—1 40 31'95	+19°40
9	γ Piscium.....	5°10'94	1	1	11 2'67	+3°087	0°87	2	+2 55 26'87	+19°09
10	μ Piscium.....	5°20'80	3	1	23 19'40	+3°138	0°80	3	+5 28 4'20	+18°58
11	ν Piscium.....	4°7	...	1	34 37	+3°113	0°00	5	+4 49 25'41	+18°33
12	σ Piscium.....	4°40'80	1	1	38 28'82	+3°161	0°80	2	+8 29 50'50	+18°25
13	ξ^1 Ceti.....	4°50'80	3	2	6 3'64	+3°169	0°80	3	+8 13 52'23	+17°07
14	ξ^2 Ceti.....	4°4	...	2	21 12	+3°180	0°00	3	+7 52 18'42	+16°36
15	μ Ceti.....	4°40'83	3	2	37 51'85	+3°234	0°83	3	+9 33 34'85	+15°45
16	λ Ceti.....	4°60'85	3	2	52 41'76	+3°214	0°85	3	+8 23 1'99	+14°65
17	B.A.C. 996.....	6°00'01	1	3	6 11'78	+1°947	0°01	1	—49 13 46'25	+13°80
18	B.A.C. 1027.....	7°10'01	1	3	11 54'30	+1°352	0°01	1	—59 59 53'99	+13°43
19	B.A.C. 1048.....	5°50'03	1	3	14 56'06	+1°092	0°03	1	—63 4 37'19	+13°23
20	ξ Tauri.....	3°80'53	3	3	20 4'32	+3°242	0°53	3	+9 16 27'51	+12°85
21	B.A.C. 1077.....	6°50'01	1	3	21 30'93	+2°142	0°01	1	—42 5 49'53	+12°80
22	γ Tauri.....	4°30'65	1	3	23 38'74	+3°306	0°65	1	+12 29 8'22	+12°66
23	B.A.C. 1094.....	5°90'03	1	3	25 0'72	+0°237	0°03	1	—69 47 41'51	+12°55
24	B.A.C. 1108.....	6°90'01	1	3	27 48'98	—1°568	0°01	1	—77 11 48'95	+12°39
25	B.A.C. 1131.....	7 0°03	1	3	32 56'72	+0°643	0°03	1	—66 11 58'51	+12°00
26	B.A.C. 1160.....	6°70'01	1	3	37 57'78	+1°931	0°01	1	—46 22 35'12	+11°66
27	η Tauri.....	3°0	...	3	39 42	+3°551	0°00	1	+23 41 53'77	+11°48
28	ϵ Tauri.....	5°10'95	1	3	41 5'25	+3°280	0°95	1	+10 44 16'72	+11°39
29	B.A.C. 1198.....	6°00'03	1	3	41 33'52	—2°466	0°03	1	—78 44 37'57	+11°38
30	Lacaille 1285.....	7°30'01	1	3	45 4'18	—0°058	0°01	1	—70 25 31'08	+11°14

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1869°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1869°.	Annual Variation 1865°.
31	γ Hydri S.P.	3·1	...	...	^{h m s} 3 49 18	^s -1·021	0·18	2	^{° ' "} 74 38 27·54	+10·92
32	λ Tauri	Var. 0·73	1	1	3 53 25·51	+3·316	0·81	2	+12 7 4·90	+10·55
33	B.A.C. 1248	6·00·03	1	1	3 54 22·58	+0·748	0·03	1	-63 50 35·94	+10·46
34	B.A.C. 1283	7·20·03	1	1	4 3 9·66	+1·684	0·04	2	-49 58·48·13	+ 9·80
35	δ Tauri	6·40·66	1	1	4 8 20·08	+3·397	0·66	1	+15 4·13·58	+ 9·40
36	B.A.C. 1325	7·40·03	1	1	4 11 8·87	+1·143	0·03	1	-58 21 12·92	+ 9·18
37	γ Tauri	3·90·26	3	4	12 20·47	+3·407	0·26	3	+15 18 33·07	+ 9·07
38	B.A.C. 1359	7·50·01	1	1	4 16 10·89	+0·239	0·01	1	-66 59 59·13	+ 8·77
39	δ Tauri	4·20·06	2	4	17 54·75	+3·461	0·06	2	+17 37 34·60	+ 8·63
40	ϵ Tauri	3·7	...	...	4 20 58	+3·492	0·89	2	+18 53 14·89	+ 8·38
41	α Tauri	1·0	...	...	4 28 24	+3·435	0·00	6	+16 14 37·33	+ 7·64
42	B.A.C. 1454	5·80·66	2	4	32 40·96	-5·634	0·65	1	-81 52 22·08	+ 7·56
43	B.A.C. 1454 S.P. ....	...	0·66	4	41·25	...	0·65	1	23·70	...
44	B.A.C. 1499	6·70·01	1	1	4 44 32·10	+1·841	0·01	1	-44 12 37·82	+ 6·49
45	ϵ Aurigæ	2·70·00	1	1	4 48 27·87	+3·894	...	...	+32 57	+ 6·16
46	B.A.C. 1548	6·90·01	1	1	4 53 18·60	+0·070	0·01	1	-66 53 3·25	+ 5·75
47	B.A.C. 1556	6·40·03	1	1	4 55 18·23	-1·033	0·03	1	-72 37 26·20	+ 5·61
48	ι Orionis	4·70·06	2	4	57 5·08	+3·424	0·06	2	+15 13 10·01	+ 5·43
49	m Tauri	5·10·88	1	1	4 59 42·56	+3·540	0·88	1	+18 28 1·29	+ 5·26
50	l Tauri	5·50·81	1	5	0 3·29	+3·545	0·81	1	-20 14 34·30	+ 5·18
51	ι Orionis	4·80·06	2	5	2 12·17	+3·428	0·06	2	+15 25 38·77	+ 5·03
52	B.A.C. 1600	4·70·03	1	5	3 16·01	+1·015	0·03	1	-57 39 6·79	+ 5·03
53	β Orionis	0·30·00	2	5	8 14·54	+2·880	...	...	- 8 21	+ 4·49
54	η Tauri	5·20·74	1	5	11 24·40	+3·600	0·74	1	+21 57 29·73	+ 4·16
55	B.A.C. 1652	7·00·03	1	5	12 37·75	+1·377	0·03	1	-52 19 40·62	+ 4·12
56	B.A.C. 1697	7·50·03	1	5	18 54·92	+0·707	0·03	1	-60 54 30·14	+ 3·58
57	ι Tauri	5·40·81	2	5	19 31·66	+3·494	0·81	2	+17 50 49·74	+ 3·53
58	θ Tauri	4·80·96	2	5	19 46·03	+3·603	0·96	2	+21 49 19·77	+ 3·55
59	ι Tauri	4·60·14	1	5	24 31·96	+3·517	0·14	1	+18 29 39·87	+ 3·12
60	δ Orionis	2·40·00	1	5	25 18·84	+3·064	...	...	+ 0 24	+ 3·00

382 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1869°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1869°.	Annual Variation 1865°.
61	α Leporis.....	2·70°00	2	5	26 57·14	+ 2·646	...	...	—17° 55' "	+ 2·90
62	ϵ Orionis.....	1·80°00	2	5	29 33·92	+ 3·041	...	...	— 1 17	+ 2·66
63	ζ Tauri.....	3·00°74	5	5	29 48·96	+ 3·586	0·74	5	+21 3 35·27	+ 2·63
64	α Columbae.....	2·70°00	3	5	34 54·20	+ 2·178	...	...	—34 9	+ 2·20
65	χ^1 Orionis.....	4·70°34	3	5	46 37·57	+ 3·552	0·34	3	+20 14 56·30	+ 1·09
66	α Orionis.....	Var. 0°00	2	5	48 4·80	+ 3·246	...	...	+ 7 23	+ 1·06
67	ν Orionis.....	4·40°00	2	6	0 5·50	+ 3·426	...	...	+14 47	— 0·01
68	η Geminorum.....	Var. 0°84	3	6	6 58·22	+ 3·624	0·84	4	+22 32 31·09	— 0·60
69	μ Geminorum.....	3·20°00	2	6	15 2·07	+ 3·632	0·00	5	+22 34 41·27	— 1·42
70	ν Geminorum.....	4·00°31	4	6	21 11·06	+ 3·562	0·39	3	+20 17 31·95	— 1·84
71	γ Geminorum.....	2·0 ...	...	6	30 9	+ 3·466	0·00	1	+16 30 29·78	— 2·57
72	α Canis Majoris..	—1·40°00	5	6	39 22·38	+ 2·645	...	...	—16 32	— 4·64
73	ζ^2 Geminorum.....	Var. 0°34	3	6	56 20·29	+ 3·566	0·34	3	+20 45 36·10	— 4·88
74	λ Geminorum.....	3·60°07	2	7	10 33·69	+ 3·457	0·07	2	+16 46 29·87	— 6·06
75	δ Geminorum.....	3·7 ...	...	7	12 18	+ 3·592	0·00	2	+22 13 15·40	— 6·22
76	β_3 Geminorum.....	5·30°56	4	7	19 57·71	+ 3·571	0·56	4	+21 42 38·03	— 6·91
77	α Geminorum.....	3·20°00	1	7	26 13·86	+ 3·843	...	...	+32 10	— 7·43
78	α Canis Minoris..	0·50°00	8	7	32 26·56	+ 3·145	...	...	+ 5 34	— 8·89
79	g Geminorum.....	5·10°89	1	7	38 32·35	+ 3·481	0·89	1	+18 49 35·57	— 8·38
80	μ^2 Cancri.....	5·30°30	1	8	0 3·24	+ 3·543	0·30	1	+21 57 35·36	—10·04
81	γ_5 Argus.....	2·90°00	1	8	1 57·83	+ 2·555	...	...	—23 56	—10·10
82	ζ Cancri.....	5·00°25	3	8	4 41·83	+ 3·456	0·20	4	+18 2 26·11	—10·47
83	Δ Octantis.....	7·80°32	1	8	14 31·71	—38·365	...	...	—88 29	—11·24
84	Δ Octantis S.P. ...	... 0°32	2	...	31·67	...	0·32	2	6·56	...
85	d^1 Cancri.....	5·90°07	1	8	15 51·59	+ 3·448	0·07	1	+18 45 2·32	—11·19
86	η Cancri.....	5·50°00	1	8	25 7·87	+ 3·479	0·00	4	+20 53 3·15	—11·91
87	γ Cancri.....	4·80°89	1	8	35 42·01	+ 3·483	0·89	1	+21 56 14·46	—12·61
88	δ Cancri.....	4·30°45	4	8	37 14·26	+ 3·423	0·45	4	+18 38 4·48	—12·93
89	ϵ Hydrae.....	3·60°00	1	8	39 50·30	+ 3·184	...	...	+ 6 54	—12·91
90	α^2 Cancri.....	5·60°19	2	8	50 16·16	+ 3·678	0·19	2	+16 4 57·48	—13·31

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1869°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1869°o.	Annual Variation 1865°o.
91	π^3 Cancri.....	5·60	0·17	3	^{h m s} 9 7 59·83	^s +3·323	0·17	3	+15 29 0·34	—14·63
92	83 Cancri.....	6·60	0·00	2	9 11 40·07	+3·356	0·00	5	+18 15 33·72	—15·04
93	β Argûs	1·70	0·83	2	9 11 45·06	+0·689	0·58	2	—69 10 38·94	—14·79
94	β Argûs S.P.....	...	...	...	...	...	0·79	1	44·16	...
95	α Hydræ.....	2·00	0·00	1	9 21 8·94	+2·949	...	...	— 8 6	—15·39
96	ϵ Leonis.....	3·8	...	...	9 34 10	+3·226	0·00	1	+10 29 12·72	—16·17
97	ϕ Leonis.....	5·70	0·75	3	9 36 35·74	+3·276	0·75	3	+14 37 12·18	—16·25
98	18 Leonis.....	6·10	0·15	1	9 39 19·70	+3·240	0·15	1	+12 24 44·40	—16·36
99	ν Leonis.....	5·30	0·22	3	9 51 10·39	+3·235	0·22	3	+13 4 6·61	—16·96
100	α Leonis.....	1·40	0·00	2	10 1 23·69	+3·203	0·00	5	+12 36 24·18	—17·41
101	γ^1 Leonis.....	2·40	0·00	7	10 12 44·84	+3·317	...	...	+20 30	—18·04
102	ρ Leonis.....	4·00	0·00	2	10 25 54·65	+3·166	0·00	7	+ 9 58 48·34	—18·41
103	ζ Leonis.....	5·3	...	...	10 42 22	+3·158	0·00	4	+11 14 16·14	—18·93
104	χ Leonis.....	4·70	0·00	1	10 58 15·59	+3·098	0·00	3	+ 8 2 37·89	—19·40
105	δ Leonis.....	2·80	0·00	1	11 7 8·26	+3·203	...	...	+21 14	—19·66
106	δ Hydræ.....	3·90	0·00	1	11 12 47·48	+2·995	...	...	—14 4	—19·45
107	σ Leonis.....	4·10	0·23	1	11 14 22·69	+3·098	...	...	+ 6 45	—19·67
108	ϵ Leonis.....	4·00	0·71	2	11 17 5·72	+3·130	0·71	2	+11 15 1·49	—19·76
109	ν Virginis.....	4·20	0·23	4	11 39 7·64	+3·085	0·26	5	+ 7 15 48·74	—20·03
110	β Virginis.....	3·7	...	...	11 43 52	+3·128	0·46	1	+ 2 30 9·91	—20·29
111	b Virginis.....	5·2	...	...	11 53 14	+3·073	0·46	1	+ 4 23 6·46	—20·03
112	π Virginis.....	4·40	0·23	4	11 54 9·66	+3·074	0·23	4	+ 7 20 42·70	—20·06
113	10 Virginis.....	6·10	0·23	2	12 2 58·61	+3·074	0·23	2	+ 2 38 2·44	—20·28
114	η Virginis.....	4·1	...	...	12 13 12	+3·065	0·00	1	+ 0 3 42·16	—20·06
115	c Virginis.....	5·2	...	...	12 13 42	+3·045	0·23	1	+ 4 2 34·91	—20·08
116	β Corvi.....	2·80	0·00	1	12 27 30·98	+3·131	...	...	—22 40	—19·98
117	γ Virginis (1st Star)	3·60	0·00	3	12 35 1·31	+3·037	0·00	3	— 0 43 45·77	—19·87
118	γ Virginis (one mass)	2·80	0·00	2	12 35 1·40	+3·037	0·00	2	— 0 43 50·13	—19·87
119	38 Virginis.....	6·20	0·33	3	12 46 28·77	+3·073	0·33	3	— 2 50 26·48	—19·68
120	k Virginis.....	5·90	0·16	2	12 52 54·64	+3·089	0·16	2	— 3 6 16·24	—19·49

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121	48 Virginis.....	6.6	0.26	3	12 57 9.51	+ 3.086	0.25	4	2 57 27.07	-19.46
122	66 Virginis.....	5.8	0.53	1	13 17 44.17	+ 3.115	0.53	1	4 28 42.21	-18.94
123	α Virginis	1.2	0.00	1	13 18 17.66	+ 3.150	...	...	10 29	-18.94
124	β^2 Virginis.....	4.9	0.41	3	13 25 9.45	+ 3.117	0.41	3	5 34 42.12	-18.75
125	80 Virginis.....	5.9	0.16	1	13 28 42.53	+ 3.113	0.16	1	4 43 39.02	-18.48
126	γ Boötis	2.9	0.00	1	13 48 26.83	+ 2.858	...	...	+19 3	-18.21
127	τ Virginis.....	4.4	0.00	1	13 54 58.91	+ 3.047	...	...	+ 2 11	-17.66
128	94 Virginis	6.8	0.46	1	13 59 21.72	+ 3.168	0.24	2	8 15 55.12	-17.39
129	κ Virginis.....	4.3	0.09	1	14 5 54.73	+ 3.197	0.17	2	9 39 44.15	-17.10
130	ι Virginis.....	4.2	0.28	2	14 9 9.00	+ 3.136	0.28	2	5 22 25.60	-17.38
131	α Boötis	0.0	0.00	1	14 9 41.22	+ 2.734	...	...	+19 52	-18.92
132	2 Libræ.....	6.3	0.46	3	14 16 22.94	+ 3.219	0.46	3	11 6 50.07	-16.71
133	ρ Boötis	3.6	0.00	1	14 26 11.05	+ 2.587	...	...	+30 57	-15.98
134	2 Octantis	6.5	0.55	7	14 26 58.79	+21.750	0.54	5	87 36 20.69	-16.20
135	2 Octantis S.P. ...	...	0.54	5	58.59	...	0.58	1	24.84	...
136	ϵ^2 Boötis.....	2.7	0.00	1	14 39 16.18	+ 2.619	...	...	+27 38	-15.41
137	α^2 Libræ.....	3.0	0.00	1	14 43 38.09	+ 3.305	0.00	1	15 29 42.63	-15.23
138	ξ^1 Libræ.....	5.9	0.46	3	14 47 16.40	+ 3.245	0.46	3	11 21 42.16	-14.97
139	ξ^2 Libræ.....	5.8	0.16	1	14 49 39.79	+ 3.243	0.16	1	10 52 43.17	-14.81
140	δ Libræ	4.9	0.16	1	14 53 58.58	+ 3.195	0.16	1	7 59 48.14	-14.57
141	β Libræ	2.7	0.00	1	15 9 57.54	+ 3.218	0.00	1	8 53 50.98	-13.58
142	ρ Octantis	5.7	0.62	5	15 13 30.78	+12.634	0.62	1	84 1 11.44	-13.35
143	ρ Octantis S.P....	...	0.62	5	30.77	...	0.61	1	10.85	...
144	σ^2 Libræ	7.0	0.54	1	15 15 43.54	+ 3.333	0.54	1	14 39 50.79	-13.18
145	ϵ Libræ	5.2	0.62	1	15 17 6.00	+ 3.240	0.62	1	9 50 56.91	-13.25
146	ζ^1 Libræ	6.2	0.32	2	15 20 52.25	+ 3.376	0.32	2	16 15 26.56	-12.88
147	37 Libræ	4.9	0.62	1	15 27 1.34	+ 3.267	0.62	1	9 36 47.98	-12.67
148	γ Libræ	4.0	0.39	3	15 28 12.02	+ 3.346	0.39	3	14 21 0.85	-12.33
149	α Coronæ Borealis	2.4	0.00	3	15 29 8.47	+ 2.538	...	...	+27 9	-12.35
150	α Serpentis	2.7	0.00	3	15 37 49.05	+ 2.949	...	...	+ 6 50	-11.62

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1869°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1869°.	Annual Variation 1865°.
					h m s	s			° ' " 20	"
151	θ Libræ.....	4·3	0·32	3	15 46 22·17	+	3·414	0·32	3—16 20·32'20	—10·93
152	48 Libræ	4·8	0·39	4	15 50 51·37	+	3·349	0·39	4—13 53·55'52	—10·74
153	49 Libræ	5·6	0·24	1	15 52 58·86	+	3·353	0·24	1—16 8·41'40	—10·94
154	β ¹ Scorpii	2·9	0·00	2	15 57 49·44	+	3·477	...	—19 27	—10·23
155	δ Ophiuchi.....	2·8	0·00	2	16 7 28·95	+	3·136	...	— 3 21	— 9·59
156	B.A.C. 5412	6·0	0·65	2	16 12 44·07	+	20·514	0·65	1—86 6·14'83	— 9·10
157	B.A.C. 5412 S.P. ...	0·65	1		45·04	...	0·65	1	18·50	...
158	ψ Ophiuchi	4·6	0·17	1	16 16 26·30	+	3·503	0·17	1—19 43 42·91	— 8·83
159	χ Ophiuchi	5·0	0·32	1	16 19 25·96	+	3·470	0·32	1—18 9 22·36	— 8·53
160	α Scorpii	1·1	0·00	3	16 21 22·69	+	3·666	...	—26 8	— 8·41
161	φ Ophiuchi.....	4·4	0·39	5	16 23 38·55	+	3·424	0·39	5—16 19 27·28	— 8·24
162	B.A.C. 5510	4·2	0·66	2	16 24 25·93	+	8·377	0·66	1—77 14 11·44	— 8·53
163	B.A.C. 5510 S.P. ...	0·66	1		25·92	...	...	...	...	...
164	B.A.C. 5579	5·2	0·52	3	16 33 59·95	+	3·462	0·52	3—17 29 8·29	— 7·34
165	α Trianguli Aust.	1·9	0·00	9	16 34 48·71	+	6·277	0·00	3—68 46·55'36	— 7·39
166	α Trianguli Aust. S.P.	...	...	...	16 34 48	...	0·00	1	53·10	...
167	κ Ophiuchi	3·4	0·00	1	16 51 28·15	+	2·834	...	+ 9 35	— 5·90
168	29 Ophiuchi.....	6·8	0·43	4	16 54 11·73	+	3·503	0·43	4—18 41 23·18	— 5·69
169	B.A.C. 5758	6·6	0·25	2	16 58 22·67	+	3·576	0·25	2—21 22 48·35	— 5·35
170	α Herculis	Var.	0·00	1	17 8 40·57	+	2·732	...	+14·33	— 4·42
171	ξ Ophiuchi.....	4·5	0·47	6	17 13 9·25	+	3·590	0·48	7—20 58 9·30	— 4·29
172	α Ophiuchi	2·2	0·00	1	17 28 51·26	+	2·781	...	+12 39	— 2·94
173	58 Ophiuchi.....	5·0	0·48	5	17 35 34·84	+	3·592	0·53	5—21 36 58·47	— 2·20
174	B.A.C. 5936	5·2	0·71	2	17 37 41·05	+	35·375	0·70	3—87 39 11·20	— 2·04
175	B.A.C. 5936 S.P. ...	0·71	1		40·11	...	...	...	...	...
176	B.A.C. 6098	7·0	0·70	1	17 54 48·40	+	3·578	0·70	1—20 44 0·70	— 0·48
177	σ Octantis	5·5	...	...	18 4 34	+109·742	0·00	1	—89 16 44·19	— 0·10
178	μ ¹ Sagittarii.....	4·1	...	...	18 5 56	+	3·584	0·00	6—21 5 23·93	+ 0·49
179	21 Sagittarii	4·9	0·48	6	18 17 32·91	+	3·574	0·44	7—20 36 31·27	+ 1·50
180	α Lyre	0·2	0·00	1	18 32 30·07	+	2·030	...	+38 40	+ 3·11

386 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1869°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1869°o.	Annual Variation 1865°o.
181	ξ ^a Sagittarii	3·5 0°51	4	^{h m s} 18 49 54·80	+ 3·582	0·51	4	—21 16 33·23	+ 4·32	
182	ο Sagittarii.	3·9 0°63	2	18 56 49·85	+ 3·599	0·63	2	—21 55 49·72	+ 4·88	
183	π Sagittarii.....	3·1 0°60	3	19 1 58·23	+ 3·574	0·60	3	—21 13 43·95	+ 5·35	
184	d Sagittarii.....	4·9 0°45	3	19 9 58·14	+ 3·515	0·45	3	—19 10 59·95	+ 6·02	
185	ρ ¹ Sagittarii	3·9 0°53	4	19 14 4·34	+ 3·488	0·51	5	—18 5 27·82	+ 6·41	
186	f Sagittarii.....	5·1 0°59	4	19 38 43·08	+ 3·506	0·59	4	—20 4 24·00	+ 8·33	
187	57 Sagittarii	6·2 0°52	2	19 44 35·15	+ 3·491	0·52	2	—19 22 30·26	+ 8·68	
188	ε Pavonis	4·0 0°28	1	19 45 23·39	+ 7·108	...	...	—73 15	+ 8·74
189	ε Pavonis S.P. ...	... ..	...	19 45 23	...	0·29	2	4·34	...
190	σ Capricorni	5·6 0°63	4	20 11 49·97	+ 3·469	0·63	4	—19 31 30·22	+10·90	
191	ρ Capricorni.....	5·0 ...	...	20 21 23	+ 3·426	0·00	7	—18 14 40·14	+11·58
192	τ ² Capricorni.....	5·3 0°33	2	20 31 56·58	+ 3·363	0·33	2	—15 24 43·24	+12·30	
193	ν Capricorni....	5·3 0°68	3	20 32 35·52	+ 3·423	0·68	3	—18 35 52·21	+12·39	
194	θ Capricorni.....	4·3 0°61	6	20 58 34·80	+ 3·385	0·64	7	—17 45 5·13	+14·05	
195	ι Capricorni	4·4 0°63	7	21 14 56·97	+ 3·349	0·63	7	—17 23 25·43	+15·08	
196	λ Octantis.....	5·4 0°40	2	21 30 30·42	+10·053	0·40	2	—83 19 0·33	+15·70	
197	λ-Octantis S.P....	... 0°40	2	30·66	...	...	...	...	...
198	γ Capricorni	3·8 0°73	4	21 32 49·87	+ 3·333	0·75	5	—17 15 8·42	+16·04	
199	δ Capricorni.....	3·0 0°58	4	21 39 48·48	+ 3·320	0·63	5	—16 43 12·58	+16·11	
200	μ Capricorni	5·2 0°46	3	21 46 9·15	+ 3·277	0·46	3	—14 10 0·67	+16·73	
201	ι Aquarii.....	4·3 0°71	4	21 59 21·68	+ 3·246	0·71	4	—14 30 13·98	+17·28	
202	β ² Aquarii.....	5·4 0°75	4	22 3 37·20	+ 3·214	0·75	4	—12 12 28·51	+17·52	
203	C Octantis	5·7 0°40	2	22 5 40·94	+14·045	0·41	3	—86 37 45·73	+17·66	
204	C Octantis S.P. ...	... 0°40	2	41·00	...	...	...	...	...
205	50 Aquarii.....	6·0 0°86	2	22 17 25·91	+ 3·220	0·86	2	—14 11 32·62	+18·09	
206	σ Aquarii.....	4·8 0°69	6	22 23 42·75	+ 3·182	0·69	6	—11 20 50·38	+18·39	
207	70 Aquarii.....	6·3 0°79	2	22 41 36·58	+ 3·164	0·79	2	—11 14 45·75	+18·91	
208	τ ³ Aquarii	4·1 0°41	2	22 42 39·31	+ 3·182	0·41	2	—14 16 59·96	+18·88	
209	λ Aquarii.....	3·8 0°71	1	22 45 46·77	+ 3·133	0·71	2	— 8 16 33·33	+19·01	
210	α Piscis Australia	1·3 0°00	1	22 50 24·34	+ 3·330	...	...	—30 19	+18·96

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1869°o.	Annual Variation 1865°o.	Fraction of Year.	No. of Obs.	Mean Dec. 1869°o.	Annual Variation 1865°o.
211	♈ Aquarii.....	5·5	0·87	2	22 58 19·83	+ 3·132	0·87	2	— 8° 23' 58"·39	+19"·35
212	τ Octantis	5·6	0·43	5	23 7 0·81	+13·130	0·44	5	—88 11 59·91	+19·52
213	τ Octantis S.P....	...	0·44	6	1·18	...	0·44	6	60·58	...
214	ψ ¹ Aquarii.....	4·5	0·71	4	23 9 1·58	+ 3·147	0·71	4	— 9 48 2·83	+19·55
215	ψ ² Aquarii	4·5	0·79	1	23 11 5·69	+ 3·122	0·79	2	— 9 53 49·37	+19·58
216	96 Aquarii.....	5·7	0·41	1	23 12 36·29	+ 3·111	0·41	1	— 5 50 22·61	+19·63
217	κ Piscium	5·0	...	...	23 20 13	+ 3·075	0·00	1	+ 0 32 20·56	+19·63
218	20 Piscium	5·7	0·79	1	23 41 12·56	+ 3·084	0·79	1	— 3 29 21·34	+19·99
219	27 Piscium	5·0	0·64	2	23 51 58·04	+ 3·068	0·64	2	— 4 16 57·69	+19·92
220	29 Piscium	5·1	0·64	2	23 55 6·72	+ 3·074	0·64	2	— 3 45 23·89	+20·05
221	30 Piscium	4·6	0·82	3	23 55 14·53	+ 3·077	0·82	3	— 6 44 31·04	+20·02
222	33 Piscium	4·6	0·87	2	23 58 37·82	+ 3·071	0·87	2	— 6 26 24·93	+20·15

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS

OF

MERIDIAN OBSERVATIONS OF STARS

MADE IN THE YEAR

1870

REDUCED TO MEAN PLACE FOR 1870⁰.

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Octantis.				β Hydri S.P.—continued.			
June 30	G	^{h m s} 0 13 2.52	179° 5' "	Mar. 16	G	^{h m s} 0 18 52.50	0' ... "
β Hydri.				31	G	52.46	...
Feb. 9	G	0 18 52.70	167 59 9.61	Apr. 13	JS	...	167 59 12.17
10	G	53.08	...	25	G	52.24	...
Mar. 30	G	52.32	...	26	G	52.58	...
31	G	52.63	...	May 10	IF	52.67	...
Apr. 12	JS	...	11.01	July 13	G	52.17	...
24	G	52.33	...	14	G	52.28	...
25	G	52.46	...	15	G	52.25	...
26	G	52.40	...	Nov. 23	G	52.09	13.06
May 9	G	52.55	...	24	G	...	11.41
10	G	52.35	...			0 18 52.38	167 59 12.33
July 14	G	52.35	...	12 Ceti.			
17	JS	53.16	11.46	July 17	JS	...	94 40 34.27
Sept. 10	JS	52.79	...	Sept. 10	JS	...	34.35
Oct. 7	IF	52.64	...	Oct. 7	IF	...	31.70
Nov. 4	G	52.53	10.95			0 23 24	94 40 33.44
17	G	...	9.85	13 Ceti.			
21	IF	...	12.50	July 17	JS	0 28 33.49	94 18 31.57
23	G	52.27	10.44	Sept. 10	JS	33.37	...
24	JS	52.66	10.26	Oct. 7	IF	33.44	30.92
25	IF	52.50	11.20			0 28 33.43	94 18 31.25
28	JS	52.69	9.70	B. A. C. 221.			
Dec. 2	IF	52.56	9.71	Aug. 14	JS	0 41 33.93	85 23 17.10
		0 18 52.58	167 59 10.61	33 Ceti.			
β Hydri S.P.				Aug. 14	JS	1 3 52.11	88 14 47.97
Feb. 8	G	0 18 52.56	...				
16	G	52.42	...				
18	JS	...	167 59 12.68				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 398.				♂ Piscium.			
Nov. 29	G	h m s ...	157° 5' 0" 91	Oct. 10	G	h m s 1 38 31' 74	81° 29' 50" 23
Dec. 2	IF	1 12 32' 50	0° 85	ξ Piscium.			
8	G	32' 70	1° 55	Aug. 16	JS	1 46 49' 57	87 27 17' 99
13	IF	32' 50	0° 05				
		1 12 32' 57	157 5 0° 84	α Hydri.			
α Andromedæ.				Nov. 18	JS	1 54 40' 15	152 12 10' 22
Nov. 29	G	...	45 15 56' 88	22	G	...	8' 68
Dec. 8	G	1 19 53' 33	56' 49	23	G	40' 10	10' 51
13	IF	53' 53	51' 77	24	JS	40' 37	10' 43
16	IF	53' 44	52' 53	25	IF	40' 45	10' 31
		1 19 53' 43	45 15 54' 42	29	G	...	9' 37
51 Andromedæ.				Dec. 2	IF	40' 27	10' 13
Nov. 29	G	...	42 1 54' 95	8	G	40' 44	10' 07
Dec. 8	G	1 30 1' 60	53' 81	12	G	40' 37	10' 03
12	G	1' 43	50' 59	13	IF	40' 15	10' 04
16	IF	1' 39	51' 42	14	G	40' 15	9' 46
		1 30 1' 47	42 1 52' 69			1 54 40' 27	152 12 9' 93
α Eridani.				ξ ¹ Ceti.			
Nov. 17	G	...	147 53 51' 54	Oct. 10	G	2 6 6' 51	81 45 51' 92
21	IF	...	50' 16	ξ ² Ceti.			
22	G	...	50' 88	Jan. 11	G	...	82 7 24' 91
25	IF	1 32 52' 22	50' 71	Aug. 16	JS	...	25' 56
		1 32 52' 22	147 53 50' 82			2 21 15	82 7 25' 24
♂ Piscium.				B. A. C. 779.			
Aug. 16	JS	1 34 40	85 10 15' 55	Nov. 28	JS	2 25 2' 44	154 52 49' 62
				29	G	...	49' 70

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 779— <i>continued.</i>				κ Persei— <i>continued.</i>			
Dec. 1	JS	^h 2 ^m 25 ^s 2'28	154° 52' 50"13	Dec. 6	G	^h 3 ^m 0 ^s 44'26	45° 38' 15"69
2	IF	2'25	50'82	7	JS	44'25	16'60
7	JS	2'31	51'15	8	G	44'36	17'02
8	G	2'46	50'48	12	G	44'38	12'20
12	G	2'34	49'90	16	IF	44'31	12'66
13	IF	...	50'51	19	G	44'19	14'95
14	G	2'37	50'37	27	G	44'34	...
16	IF	2'43	49'20			3 0 44'28	45 38 14'69
		2 25 2'36	154 52 50'19	α Persei.			
ν Ceti.				Dec. 1	JS	3 15 3'25	40 36 12'24
Jan. 11	G	2 29 3'29	84 58 31'18	6	G	3'40	15'08
31 Arietis.				7	JS	3'32	11'53
Oct. 10	G	2 29 32'60	78 7 4'57	16	IF	3'49	6'66
11	IF	32'85	3'48	19	G	3'41	9'21
		2 29 32'73	78 7 4'03	27	G	3'41	12'74
μ Ceti.						3 15 3'38	40 36 11'24
Aug. 16	JS	2 37 55'00	80 26 10'75	ξ Tauri.			
Oct. 10	G	55'09	11'41	Jan. 11	G	3 20 7'62	80 43 19'41
11	IF	54'99	10'47	f Tauri.			
		2 37 55'03	80 26 10'88	Jan. 11	G	3 23 41'91	77 30 39'24
α Ceti.				12	IF	42'04	38'58
June 7	G	2 55 29'17	86 25	Oct. 11	IF	41'81	37'87
κ Persei.						3 23 41'92	77 30 38'56
Dec. 1	JS	3 0 44'09	45 38 15'93	Lacaille 1164.			
2	IF	44'31	12'49	Dec. 1	JS	3 29 31'95	156 55 47'12
				6	G	32'06	47'32
				7	JS	32'17	47'18

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
Lacaille 1164—continued.				γ Tauri.			
Dec. 12	G	^{h m s} 3 29 32.30	156° 55' 47".23	Jan. 12	IF	^{h m s} 4 12 23.71	74° 41' 17".76
16	IF	32.27	46.30	13	G	23.80	18.12
19	G	32.12	47.32			4 12 23.76	74 41 17.94
27	G	32.13	45.60	α Reticuli.			
		3 29 32.14	156 55 46.87	Dec. 12	G	4 12 45.28	152 47 57.94
ϵ Tauri.				19	G	45.26	58.35
Oct. 11	IF	3 41 8.75	79 15 30.53			4 12 45.27	152 47 58.15
γ Hydri.				ϵ Tauri.			
Mar. 21	JS	...	164 38 13.79	Feb. 9	JS	...	71 6 35.52
31	G	3 49 16.77	10.30	10	G	...	36.08
Dec. 1	JS	16.56	11.55	Sept. 15	JS	...	37.42
7	JS	16.90	11.79	16	IF	...	35.82
12	G	16.63	11.49			4 21 2	71 6 36.21
		3 49 16.72	164 38 11.78	α Tauri.			
λ Tauri.				Feb. 9	JS	...	73 45 15.96
Jan. 12	IF	3 53 28.77	77 52 44.71	10	G	...	15.39
13	G	28.78	43.85	June 6	G	4 28 27.76	...
Sept. 15	JS	28.70	41.58	Sept. 15	JS	...	13.54
		3 53 28.75	77 52 43.38	16	IF	...	15.37
μ Persai.						4 28 27.76	73 45 15.07
Dec. 6	G	4 5 21.69	41 55 26.68	δ Tauri.			
12	G	21.66	21.54	Jan. 14	IF	4 43 46.24	71 23 0.12
19	G	21.75	26.93	ϵ Tauri.			
		4 5 21.70	41 55 25.05	Jan. 14	IF	4 55 19.64	68 35 51.05

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
δ Tauri.				χ^4 Orionis.			
Oct. 14	IF	$\begin{smallmatrix} h & m & s \\ 5 & 0 & 7.03 \end{smallmatrix}$	$69^{\circ} 45' 19''.51$	Jan. 14	IF	$\begin{smallmatrix} h & m & s \\ 5 & 56 & 11.95 \end{smallmatrix}$	$69^{\circ} 51' 39''.05$
α Aurigæ.				η Geminorum.			
Dec. 19	G	$5\ 7\ 5.24$	$44\ 8\ 15.58$	Oct. 14	IF	$6\ 7\ 1.66$	$67\ 27\ 30.45$
β Orionis.				μ Geminorum.			
June 10	G	$5\ 8\ 17.46$	$98\ 21$	Feb. 11	IF	...	$67\ 25\ 21.45$
119 Tauri.				12	JS	...	19.11
Feb. 10	G	$5\ 24\ 35.52$	$71\ 30\ 17.56$	Oct. 14	IF	...	19.44
11	IF	35.70	17.72	-		$6\ 15\ 6$	$67\ 25\ 20.00$
Sept. 16	IF	35.56	18.95	ν Geminorum.			
		$5\ 24\ 35.59$	$71\ 30\ 18.08$	Feb. 11	IF	$6\ 21\ 14.75$	$69\ 42\ 32.37$
ζ Tauri.				12	JS	14.70	30.42
Feb. 10	G	$5\ 29\ 52.54$	$68\ 56\ 19.69$			$6\ 21\ 14.73$	$69\ 42\ 31.40$
11	IF	52.49	23.11	ζ^2 Geminorum.			
Sept. 16	IF	52.58	23.75	Jan. 15	G	$6\ 56\ 23.82$	$69\ 14\ 29.82$
		$5\ 29\ 52.54$	$68\ 56\ 22.18$	δ Geminorum.			
α Columbe.				Feb. 12	JS	...	$67\ 46\ 50.25$
Feb. 11	IF	$5\ 34\ 56.54$	...	Mar. 11	IF	...	48.56
Oct. 14	IF	56.70	...			$7\ 12\ 21$	$67\ 46\ 49.41$
		$5\ 34\ 56.62$	$124\ 9$	α Canis Minoris.			
χ^1 Orionis.				Feb. 13	G	$7\ 32\ 29.71$	...
Jan. 14	IF	$5\ 46\ 40.87$	$69\ 45\ 1.97$	Apr. 9	G	29.78	...
15	G	41.11	1.80			$7\ 32\ 29.75$	$84\ 27$
		$5\ 46\ 40.99$	$69\ 45\ 1.89$				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α Geminorum.				ξ Cancri.			
Feb. 12	JS	$\begin{smallmatrix} h & m & s \\ 7 & 36 & 35.78 \end{smallmatrix}$	$65^{\circ} 17' 34''.73$	Mar. 14	IF	$\begin{smallmatrix} h & m & s \\ 9 & 1 & 52.92 \end{smallmatrix}$	$67^{\circ} 25' 50''.63$
13	G	35.99	31.95	π^2 Cancri.			
Mar. 12	JS	...	33.53	Feb. 14	IF	$9 \ 8 \ 3$	$74 \ 31 \ 15.87$
		$7 \ 36 \ 35.89$	$65 \ 17 \ 33.40$	8_3 Cancri.			
β Geminorum.				Apr. 11	IF	$9 \ 11 \ 43.45$	$71 \ 44 \ 40.23$
Apr. 9	G	$7 \ 37 \ 21.49$	$61 \ 40$	β Argûs.			
μ^2 Cancri.				Mar. 15	G	...	$159 \ 10 \ 56.99$
Mar. 12	JS	$8 \ 0 \ 7$	$68 \ 2 \ 32.96$	Oct. 5	JS	$9 \ 11 \ 45.63$	54.83
15 Argûs.				10	G	45.80	...
Apr. 9	G	$8 \ 2 \ 0.49$	$113 \ 56$	11	G	45.92	54.66
η Cancri.				12	G	46.02	...
Feb. 13	G	...	$69 \ 7 \ 10.11$			$9 \ 11 \ 45.84$	$159 \ 10 \ 55.49$
14	IF	...	8.05	β Argûs S.P.			
Apr. 9	G	$8 \ 25 \ 11.30$	8.59	Oct. 5	JS	...	$159 \ 10 \ 54.31$
		$8 \ 25 \ 11.30$	$69 \ 7 \ 8.92$	11	IF	...	59.62
γ Cancri.				12	JS	...	56.44
Feb. 13	G	$8 \ 35 \ 45.63$	$68 \ 3 \ 58.47$			...	$159 \ 10 \ 56.79$
Apr. 9	G	45.67	58.56	α Hydræ.			
		$8 \ 35 \ 45.65$	$68 \ 3 \ 58.52$	Apr. 11	IF	$9 \ 21 \ 11.99$	$98 \ 6$
δ Cancri.				ψ Leonis.			
Mar. 14	IF	$8 \ 37 \ 17.66$	$71 \ 22 \ 9.01$	Apr. 11	IF	$9 \ 36 \ 39.09$	$75 \ 23 \ 5.09$

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
<i>ν Leonis.</i>				<i>ι Leonis—continued.</i>			
Mar. 14	IF	^{h m s} 9 51 13 ⁶¹	76° 56' 11 ¹⁰	May 9	JS	^{h m s}	78° 46' 4 ⁷¹
15	JS	13 ⁵⁹	9 ⁷⁸	10	IF	10 42 25 ³⁹	1 ⁹⁴
		9 51 13 ⁶⁰	76 56 10 ⁴⁴			10 42 25 ³⁵	78 46 3 ²³
<i>α Leonis.</i>				<i>χ Leonis.</i>			
Feb. 15	JS	...	77 23 55 ³³	Mar. 15	JS	...	81 57 41 ³¹
Mar. 14	IF	...	57 ¹⁰	16	G	10 58 18 ⁶⁰	41 ¹⁷
15	JS	...	54 ⁰⁹	Apr. 12	G	...	41 ⁸⁹
Apr. 11	IF	10 1 26 ⁹³	...	May 9	JS	...	42 ¹¹
May 9	JS	...	55 ⁴⁹	10	IF	18 ⁶³	40 ²⁴
		10 1 26 ⁹³	77 23 55 ⁵⁰			10 58 18 ⁶²	81 57 41 ³⁴
<i>37 Leonis.</i>				<i>δ Hydræ.</i>			
May 9	JS	10 9 41 ⁹⁶	75 37 28 ¹²	Mar. 16	G	11 12 50 ⁵³	...
<i>γ¹ Leonis.</i>				May 10	IF	50 ⁶⁵	...
May 9	JS	10 12 48 ¹⁷	69 30			11 12 50 ⁵⁹	104 5
<i>ρ Leonis.</i>				<i>σ Leonis.</i>			
Feb. 15	JS	...	80 1 30 ⁹⁰	Feb. 16	G	11 14 25 ⁹⁹	83 15 30 ²⁸
Apr. 11	IF	10 25 57 ⁷⁹	31 ⁰⁰	17	IF	25 ⁹³	31 ⁰¹
12	G	...	30 ⁹⁰	Apr. 12	G	25 ⁸⁹	31 ¹⁰
		10 25 57 ⁷⁹	80 1 30 ⁹³	13	JS	...	30 ⁹⁴
<i>ζ Leonis.</i>				June 7	G	25 ⁹⁸	29 ²⁸
Mar. 15	JS	...	78 46 3 ⁶³			11 14 25 ⁹⁵	83 15 30 ⁵²
16	G	10 42 25 ³⁷	2 ²⁵	Mar. 16	G	11 30 17 ⁵⁵	...
Apr. 11	IF	25 ³⁰	3 ²⁴	May 10	IF	17 ⁵⁴	...
12	G	...	3 ⁶⁰	June 7	G	17 ⁶¹	...
						11 30 17 ⁵⁷	90 6

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
♄ Virginia.				♄ Virginia—continued.			
Feb. 16	G	^{h m s} 11 39 10.64	82° 44' 31".95	June 7	G	^{h m s} 12 13 15.31	89° 56' 36".88
Mar. 16	G	10.61	31.74	8	G	...	38.30
May 10	IF	10.71	30.67			12 13 15.31	89 56 38.11
June 7	G	10.65	30.59	♄ Muscæ S.P.			
		11 39 10.65	82 44 31.24	Nov. 18	JS	...	161 24 54.48
♄ Virginia.				28	JS	...	54.49
Mar. 16	G	11 43 55.44	87 30 9.84	Dec. 2	IF	...	56.79
♄ Virginia.						12 24 44	161 24 55.25
May 10	IF	11 54 12.74	82 39 38.83	♄ Corvi.			
11	G	12.68	40.72	June 7	G	12 27 33.74	...
		11 54 12.71	82 39 39.78	8	G	33.71	...
♄ Corvi.						12 27 33.73	112 41
June 7	G	12 3 26.52	111 54	♄ Virginis (1st Star).			
♄ Chamaeleontis S.P.				June 7	G	12 35 4.41	90 44 6.20
Nov. 28	JS	...	168 35 30.19	♄ Virginis (as one mass).			
Dec. 2	IF	...	26.39	Feb. 17	IF	12 35 4.44	90 44 7.73
		12 10 46	168 35 28.29	18	JS	...	9.68
♄ Virginis.				Apr. 13	JS	...	7.80
Feb. 17	IF	...	89 56 38.53	14	IF	4.42	9.25
18	JS	...	37.26			12 35 4.43	90 44 8.62
Apr. 13	JS	...	38.96	♄ Virginis (2nd Star).			
14	IF	...	38.73	June 8	G	12 35 4.47	90 44 11.36

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β Crucis.				65 Virginia.			
Nov. 18	G	^{h m s} 12 40 8.11	148° 58' 38".18	Apr. 14	IF	^{h m s} 13 16 34.84	94° 14' 35".77
22	G	...	37.87	α Virginia.			
23	G	8.26	38.09	June 8	G	13 18 20.78	...
24	G	...	38.35	9	IF	20.82	...
		12 40 8.19	148 58 38.12			13 18 20.80	100 29
β Crucis S.P.				κ Octantis S.P.			
Nov. 18	JS	...	148 58 41.03	Nov. 25	IF	...	175 7 3.12
22	G	...	47.24	28	JS	...	4.42
23	G	...	41.04			13 20 24	175 7 3.77
24	JS	...	41.14	Lacaille 5566 S.P.			
25	IF	...	30.46	Dec. 8	G	...	154 57 41.16
29	G	...	44.88	16	IF	...	37.97
Dec. 2	IF	...	31.36			13 24 34	154 57 39.57
		12 40 8	148 58 39.59	ζ Virginia.			
37 Virginia.				June 8	G	13 28 4.24	89 55 48.77
Mar. 18	IF	12 45 0.04	86 14 11.08	9	IF	4.25	48.55
48 Virginia.						13 28 4.25	89 55 48.66
Mar. 18	IF	12 57 12.74	92 57 45.61	m Virginia.			
θ Muscae S.P.				Mar. 18	IF	13 34 47.56	98 2 47.37
Nov. 29	G	12 59 45	154 36 36.48	β Centauri.			
θ Virginia.				Nov. 16	G	...	149 44 36.32
Apr. 14	IF	...	94 50 38.46	17	G	...	36.11
June 8	G	13 3 13.25	38.56			13 54 40	149 44 36.22
9	IF	13.30	39.42				
		13 3 13.28	94 50 38.81				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
β Centauri S.P.				λ Virginia.			
Nov. 17	G	$\begin{matrix} h & m & s \\ & \dots & \end{matrix}$	$149^{\circ} 44' 40'' 29$	June 9	IF	$\begin{matrix} h & m & s \\ 14 & 12 & 4 \cdot 79 \end{matrix}$	$102^{\circ} 46' 15'' 50$
Dec. 16	IF	\dots	$37 \cdot 97$	10	JS	$4 \cdot 82$	$16 \cdot 07$
		$13 \ 54 \ 40$	$149 \ 44 \ 39 \cdot 13$			$14 \ 12 \ 4 \cdot 81$	$102 \ 46 \ 15 \cdot 79$
γ Virginia.				π Octantis.			
June 9	IF	$13 \ 55 \ 1 \cdot 93$	$87 \ 50$	July 18	G	$14 \ 27 \ 20 \cdot 49$	$177 \ 36 \ 35 \cdot 64$
				29	G	\dots	$38 \cdot 30$
						$14 \ 27 \ 20 \cdot 49$	$177 \ 36 \ 36 \cdot 97$
η Virginia.				ζ Octantis S.P.			
Mar. 18	IF	$13 \ 59 \ 50 \cdot 41$	$98 \ 41 \ 29 \cdot 07$	July 18	G	$14 \ 27 \ 21 \cdot 00$	$177 \ 36$
Lacaille 5836 S.P.				α^1 Centauri.			
Nov. 28	JS	\dots	$155 \ 5 \ 26 \cdot 32$	June 8	G	$14 \ 30 \ 46$	$150 \ 17 \ 41 \cdot 84$
29	G	\dots	$28 \cdot 39$	α^2 Centauri.			
Dec. 8	G	\dots	$24 \cdot 86$	May 10	IF	$14 \ 30 \ 46 \cdot 91$	$150 \ 17 \ 53 \cdot 55$
12	G	\dots	$24 \cdot 35$	20	IF	$46 \cdot 80$	$55 \cdot 07$
14	G	\dots	$(18 \cdot 57)$	June 8	G	$47 \cdot 44$	$52 \cdot 96$
		$14 \ 4 \ 37$	$155 \ 5 \ 25 \cdot 98$	9	IF	$47 \cdot 29$	$54 \cdot 34$
κ Virginia.				11	G	\dots	$53 \cdot 09$
June 9	IF	$14 \ 5 \ 57 \cdot 82$	$99 \ 40 \ 1 \cdot 38$	July 13	IF	$46 \cdot 96$	$52 \cdot 87$
10	JS	$57 \cdot 93$	$1 \cdot 72$	Nov. 16	G	\dots	$52 \cdot 80$
		$14 \ 5 \ 57 \cdot 88$	$99 \ 40 \ 1 \cdot 55$	17	G	\dots	$53 \cdot 15$
δ Octantis S.P.				21	G	\dots	$51 \cdot 94$
Nov. 24	JS	\dots	$173 \ 4 \ 8 \cdot 10$	22	G	\dots	$52 \cdot 33$
Dec. 16	IF	\dots	$7 \cdot 67$	23	G	\dots	$52 \cdot 59$
		$14 \ 6 \ 24$	$173 \ 4 \ 7 \cdot 89$	24	G	\dots	$52 \cdot 05$
						$14 \ 30 \ 47 \cdot 08$	$150 \ 17 \ 53 \cdot 06$

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
α^2 Centauri S.P.				γ Trianguli Australis.			
Nov. 22	G	h m s ...	150° 17' 48" 17	Nov. 22	G	h m s ...	158° 11' 44" 26
23	G	...	51° 09	23	G	...	45° 12
24	JS	...	60° 56	24	G	...	44° 27
25	IF	...	53° 84	29	IF	...	45° 11
		14 30 47	150 17 53 42	Dec. 1	G	15 6 48° 56	...
α Circini.						15 6 48° 56	158 11 44° 69
Nov. 29	IF	...	154 24 21° 78	γ Trianguli Australis S.P.			
Dec. 6	G	14 32 1° 58	23° 73	Nov. 17	G	...	158 11 47° 79
		14 32 1° 58	154 24 22° 76	22	G	...	45° 50
α Circini S.P.				23	G	...	42° 79
Nov. 28	JS	...	154 24 32° 40	25	IF	...	48° 95
29	G	...	27° 11	28	JS	...	49° 62
Dec. 2	IF	...	24° 10	29	G	...	48° 05
6	G	...	26° 68	Dec. 1	JS	...	48° 93
7	JS	...	25° 54	2	IF	...	49° 23
12	G	...	24° 18	6	G	...	47° 96
13	IF	...	22° 46	7	JS	...	45° 64
		14 32 2	154 24 26° 07	19	G	...	46° 43
α^3 Libræ.						15 6 48	158 11 47° 34
Mar. 20	JS	...	105 29 59° 64	β Libræ.			
May 10	IF	14 43 41° 34	...	June 11	G	15 10 0° 90	98 54.
June 9	IF	41° 30	...	ρ Octantis.			
		14 43 41° 32	105 29 59° 64	Aug. 6	G	...	174 1 25° 44
ρ^1 Libræ.				10	G	15 13 44° 26	...
Mar. 20	JS	14 59 22° 68	105 45 3° 31			15 13 44° 26	174 1 25° 44
ρ Octantis S.P.				Aug. 8	IF	...	174 1 25° 64

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
ρ Octantis S.P.—continued.				θ Libræ.			
Aug. 10	G	$15^{\text{h}} 13^{\text{m}} 44^{\text{s}} \cdot 24$	$174^{\circ} 1' 25'' \cdot 77$	Mar. 20	JS	$15^{\text{h}} 46^{\text{m}} 25^{\text{s}} \cdot 48$	$106^{\circ} 20' 44'' \cdot 25$
14	JS	...	...	21	IF	$25^{\text{s}} \cdot 71$	$43^{\circ} 39'$
		$15 13 44 \cdot 24$	$174 1 25 \cdot 71$			$15 46 25 \cdot 60$	$106 20 43 \cdot 82$
σ^3 Libræ.				49 Libræ.			
Feb. 21	G	$15 15 46 \cdot 93$	$104 40 3 \cdot 19$	Mar. 20	JS	$15 53 2 \cdot 08$	$106 8 52 \cdot 65$
				21	IF	$2 \cdot 20$	$52 \cdot 22$
γ Libræ.						$15 53 2 \cdot 14$	$106 8 52 \cdot 44$
Feb. 21	G	$15 28 15 \cdot 43$	$104 21 13 \cdot 01$	β^1 Scorp.ii.			
Apr. 16	JS	$15 \cdot 41$	$13 \cdot 31$	Feb. 21	G	...	$109 26 50 \cdot 00$
June 11	G	$15 \cdot 53$	$13 \cdot 14$	June 11	G	$15 57 52 \cdot 83$	$50 \cdot 08$
		$15 28 15 \cdot 46$	$104 21 13 \cdot 15$			$15 57 52 \cdot 83$	$109 26 50 \cdot 04$
α Serpentis.				ν Scorp.ii.			
June 11	G	$15 37 51 \cdot 96$	$83 10$	Feb. 21	G	$16 4 26 \cdot 60$	$109 7 13 \cdot 46$
β Trianguli Australis.				June 11	G	$26 \cdot 57$	$12 \cdot 57$
Dec. 11	G	$15 43 42 \cdot 60$	$153 1 28 \cdot 36$			$16 4 26 \cdot 59$	$109 7 13 \cdot 02$
22	G	$42 \cdot 75$	$33 \cdot 31$	δ Ophiuchi.			
		$15 43 42 \cdot 68$	$153 1 30 \cdot 84$	June 11	G	$16 7 32 \cdot 07$	$93 21$
β Trianguli Australis S.P.				β Apodis S.P.			
Dec. 1	JS	...	$153 1 29 \cdot 97$	Dec. 12	G	$16 24 35$	$167 14 23 \cdot 70$
6	G	...	$34 \cdot 12$	ϕ Ophiuchi.			
7	JS	...	$33 \cdot 86$	Aug. 6	G	$16 23 42 \cdot 04$	$106 19 36 \cdot 74$
12	G	...	$32 \cdot 88$				
19	G	...	$37 \cdot 40$				
		$15 43 42$	$153 1 33 \cdot 65$				

402 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. A. C. 5579.				29 Ophiuchi.			
Aug. 6	G	$16^{\text{h}} 34^{\text{m}} 3^{\text{s}}.46$	$107^{\circ} 29' 15''.44$	Mar. 21	IF	$16^{\text{h}} 54^{\text{m}} 14^{\text{s}}.96$	$108^{\circ} 41' 28''.30$
α Trianguli Australia.				η Ophiuchi.			
Jan. 12	IF	$16^{\text{h}} 34^{\text{m}} 55^{\text{s}}.31$	...	Mar. 21	IF	$17^{\text{h}} 2^{\text{m}} 55^{\text{s}}.37$	$105^{\circ} 33' 40''.89$
Feb. 10	G	$55^{\circ} 30'$	...	B. A. C. 5794 S.P.			
11	IF	$55^{\circ} 41'$	$158^{\circ} 47' 2''.51$	Sept. 12	G	$17^{\text{h}} 7^{\text{m}} 11^{\text{s}}$	$170^{\circ} 43' 47''.27$
14	IF	...	$4^{\circ} 22'$	θ Ophiuchi.			
Mar. 21	IF	$(55^{\circ} 77')$	...	Aug. 6	G	$17^{\text{h}} 14^{\text{m}} 2^{\text{s}}$	$114^{\circ} 51' 59''.99$
Dec. 11	G	$55^{\circ} 18'$	$3^{\circ} 17'$	58 Ophiuchi.			
13	G	$55^{\circ} 37'$	$2^{\circ} 51'$	Aug. 6	G	$17^{\text{h}} 35^{\text{m}} 38^{\text{s}}.45$	$111^{\circ} 37' 1''.16$
14	G	$55^{\circ} 09'$	$0^{\circ} 84'$	B. A. C. 5936.			
18	G	$55^{\circ} 50'$	$1^{\circ} 31'$	Sept. 21	G	$17^{\text{h}} 38^{\text{m}} 18^{\text{s}}.35$	$177^{\circ} 39' 12''.94$
19	G	$55^{\circ} 11'$	$2^{\circ} 05'$	B. A. C. 5936 S.P.			
22	G	$55^{\circ} 22'$	$2^{\circ} 77'$	Sept. 20	G	$17^{\text{h}} 38^{\text{m}} 15^{\text{s}}.87$	...
23	G	$55^{\circ} 36'$	$2^{\circ} 70'$	21	G	$13^{\circ} 80'$	$177^{\circ} 39' 15''.35$
		$16^{\text{h}} 34^{\text{m}} 55^{\text{s}}.29$	$158^{\circ} 47' 2''.45$			$17^{\text{h}} 38^{\text{m}} 14^{\text{s}}.84$	$177^{\circ} 39' 15''.35$
α Trianguli Australis S.P.				σ Octantis.			
Feb. 10	G	...	$158^{\circ} 47' 7''.68$	Sept. 21	G	$18^{\text{h}} 6^{\text{m}} 27^{\text{s}}.71$	$179^{\circ} 16' 41''.95$
11	IF	...	$4^{\circ} 32'$	23	JS	...	$42^{\circ} 76'$
14	IF	...	$4^{\circ} 21'$			$18^{\text{h}} 6^{\text{m}} 27^{\text{s}}.71$	$179^{\circ} 16' 42''.36$
Dec. 12	G	...	$7^{\circ} 42'$				
19	G	...	$5^{\circ} 13'$				
23	G	...	$9^{\circ} 06'$				
27	G	...	$4^{\circ} 81'$				
		$16^{\text{h}} 34^{\text{m}} 55^{\text{s}}$	$158^{\circ} 47' 6''.09$				
Lacaille 6998 S.P.							
Dec. 19	G	...	$154^{\circ} 59' 32''.27$				
27	G	...	$25^{\circ} 46'$				
		$16^{\text{h}} 45^{\text{m}} 38^{\text{s}}$	$154^{\circ} 59' 28''.87$				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
σ Octantis S.P.				ζ Sagittarii.			
Sept. 20	G	$\begin{smallmatrix} h & m & s \\ 18 & 6 & 24 \end{smallmatrix} \cdot 96$	$179^{\circ} 16' 44'' \cdot 85$	Apr. 20	IF	$\begin{smallmatrix} h & m & s \\ 19 & 38 & 46 \end{smallmatrix} \cdot 45$	$110^{\circ} 4' 15'' \cdot 56$
21	G	$26 \cdot 55$	$44 \cdot 79$	Aug. 8	IF	$46 \cdot 58$	$15 \cdot 24$
		$18 \ 6 \ 25 \cdot 76$	$179 \ 16 \ 44 \cdot 82$			$19 \ 38 \ 46 \cdot 52$	$110 \ 4 \ 15 \cdot 40$
μ^1 Sagittarii.				ϵ Pavonis.			
Apr. 20	IF	$18 \ 5 \ 59$	$111 \ 5 \ 22 \cdot 97$	Oct. 4	IF	$19 \ 45 \ 30 \cdot 96$	$163 \ 14 \ 52 \cdot 45$
21 Sagittarii.				σ Capricorni.			
Apr. 20	IF	$18 \ 17 \ 36 \cdot 56$	$110 \ 36 \ 31 \cdot 09$	May 18	JS	$20 \ 11 \ 53 \cdot 34$	...
				July 13	IF	$53 \cdot 67$	$109 \ 31 \ 18 \cdot 50$
ξ^2 Sagittarii.						$20 \ 11 \ 53 \cdot 51$	$109 \ 31 \ 18 \cdot 50$
Aug. 8	IF	$18 \ 49 \ 58 \cdot 40$	$111 \ 16 \ 29 \cdot 55$	ρ Capricorni.			
\circ Sagittarii.				June 16	IF	...	$108 \ 14 \ 28 \cdot 40$
Aug. 8	IF	$18 \ 56 \ 53 \cdot 45$	$111 \ 55 \ 44 \cdot 95$	July 13	IF	...	$27 \cdot 39$
π Sagittarii.				Sept. 6	JS	...	$27 \cdot 99$
May 18	JS	$19 \ 2 \ 1 \cdot 91$	$111 \ 14$			$20 \ 21 \ 26$	$108 \ 14 \ 27 \cdot 93$
ρ^1 Sagittarii.				ν Capricorni.			
Apr. 20	IF	$19 \ 14 \ 8 \cdot 20$	$108 \ 5 \ 26 \cdot 35$	June 16	IF	$20 \ 32 \ 38 \cdot 82$	$108 \ 35 \ 38 \cdot 37$
λ^3 Sagittarii.				Aug. 10	JS	$38 \cdot 92$	$38 \cdot 97$
Aug. 8	IF	$19 \ 28 \ 47$	$115 \ 10 \ 4 \cdot 25$			$20 \ 32 \ 38 \cdot 87$	$108 \ 35 \ 38 \cdot 67$
				θ Capricorni.			
				May 20	IF	$20 \ 58 \ 38 \cdot 18$	$107 \ 44 \ 49 \cdot 38$
				July 13	IF	$38 \cdot 28$	$51 \cdot 11$

404 *Mean R.A. and N.P.D. of Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
θ Capricorni—continued.				δ Capricorni—continued.			
Sept. 6	JS	^{h m s} 20 58 38.28	107° 44' 51".10	Oct. 4	IF	^{h m s} 21 39 51.78	106° 42' 56".87
7	IF	38.42	50.83	5	JS	51.72	56.53
Oct. 4	IF	38.27	51.36			21 39 51.79	106 42 56.20
		20 58 38.29	107 44 50.76	ι Aquarii.			
ι Capricorni.				May 20	IF	21 59 24.87	104 29 55.68
May 20	IF	21 15 0.32	107 23 11.37	July 15	JS	24.82	55.84
July 13	IF	0.42	10.35	Sept. 7	IF	24.95	55.65
Sept. 6	JS	0.36	10.61			21 59 24.88	104 29 55.72
7	IF	0.46	11.08	ϵ^2 Aquarii.			
Oct. 4	IF	0.48	12.33	Sept. 7	IF	22 3 40.63	102 12 10.90
		21 15 0.41	107 23 11.15	θ Aquarii.			
γ Capricorni.				July 15	JS	22 9 58	98 25 45.85
June 16	IF	21 32 53.13	107 14 52.02	σ Aquarii.			
Aug. 10	JS	53.10	52.89	Aug. 11	IF	22 23 46.02	101 20 31.58
11	IF	53.19	52.88	τ^2 Aquarii.			
		21 32 53.14	107 14 52.60	Aug. 11	IF	22 42 42.52	104 16 40.24
κ Capricorni.				Oct. 5	JS	42.35	40.69
Oct. 4	IF	21 35 23.90	109 27 27.31	6	G	42.43	40.14
5	JS	23.73	25.94			22 42 42.43	104 16 40.36
		21 35 23.82	109 27 26.63	λ Aquarii.			
δ Capricorni.				July 15	JS	22 45 49.92	98 16 14.40
May 20	IF	21 39 51.75	106 42 53.50				
June 16	IF	51.75	57.04				
Aug. 10	JS	51.88	57.40				
11	IF	51.85	55.87				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
λ Aquarii— <i>continued</i> .				ψ^1 Aquarii.			
Sept. 8	G	^{h m s} 22 45 49.81	98° 16' 12".95	Aug. 13	G	^{h m s} 23 9 4'.93	99° 47' 43".96
9	IF	50.02	12.69	Sept. 8	G	4.70	42.63
		22 45 49.92	98 16 13.35	9	IF	4.80	42.29
74 Aquarii.						23 9 4'.81	99 47 42.96
Oct. 5	JS	22 46 37.87	102 18 25.48	B. A. C. 8239.			
6	G	37.98	24.82	Aug. 13	G	23 34 25.33	102 24 5.84
		22 46 37.93	102 18 25.15	Oct. 6	G	25.26	4.27
α Piscis Australis.				7	IF	25.42	4.16
Feb. 10	JS	...	120 18 36.47			23 34 25.34	102 24 4.76
Mar. 16	G	22 50 27.82	...	B. A. C. 8266.			
Apr. 8	G	27.75	...	Oct. 6	G	23 40 34.22	102 37 46.63
		22 50 27.79	120 18 36.47	7	IF	34.34	47.31
α Pegasi.						23 40 34.28	102 37 46.97
Apr. 8	G	22 58 17.23	75 30	27 Piscium.			
λ^1 Aquarii.				July 17	JS	23 52 1.10	94 16 38.65
July 15	JS	22 58 22.80	98 23 39.08	30 Piscium.			
τ Octantis.				Aug. 13	G	23 55 17.57	96 44 10.25
June 8	G	23 7 15.29	178 11 38.56	Sept. 9	IF	17.51	9.15
9	IF	14.52	...	10	JS	17.57	8.69
		23 7 14.91	178 11 38.56			23 55 17.55	96 44 9.36
τ Octantis S.P.				33 Piscium.			
June 7	G	...	178 11 41.87	Aug. 13	G	23 58 40.85	96 26 4.83
8	G	23 7 13.91	...	Sept. 9	IF	41.00	4.55
9	G	15.46	...	10	JS	40.90	5.26
		23 7 14.69	178 11 41.87			23 58 40.92	96 26 4.88

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE

CATALOGUE
OF
MEAN RIGHT ASCENSIONS
AND
MEAN DECLINATIONS,
FOR
1870'0,
OF
STARS OBSERVED IN THE YEAR 1870.

408 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1870°0.	Annual Variation 1865°0.	Fraction of Year.	No. of Obs.	Mean Dec. 1870°0.	Annual Variation 1865°0.
1	o Octantis	7·2	0·49	1	h m s 0 13 2·52	—1·878	...	...	—89° 5' "	+20°00
2	β Hydri.....	2·9	0·00	19	0 18 52·58	+3·284	0·00	11	—77 59 10·61	+20·25
3	β Hydri S.P.....	...	0·00	11	52·38	...	0·00	4	12·33	...
4	12 Ceti	6·2	...	...	0 23 24	+3·059	0·00	3	—4 40 33·44	+19·94
5	13 Ceti	5·3	0·66	3	0 28 33·43	+3·087	0·65	2	—4 18 31·25	+19·87
6	B.A.C. 221	5·7	0·62	1	0 41 33·93	+3·130	0·62	1	+ 4 36 42·90	+18·55
7	33 Ceti	6·3	0·62	1	1 3 52·11	+3·082	0·62	1	+ 1 45 12·03	+19·28
8	B.A.C. 398	6·2	0·93	3	1 12 32·57	+2·085	0·93	4	—67 5 0·84	+19·06
9	ω Andromedæ....	4·8	0·95	3	1 19 53·43	+3·555	0·94	4	+44 44 5·58	+18·76
10	51 Andromedæ...	3·7	0·94	3	1 30 1·47	+3·643	0·94	4	+47 58 7·31	+18·43
11	α Eridani	0·5	0·00	1	1 32 52·22	+2·236	0·00	4	—57 53 50·82	+18·43
12	ν Piscium	4·7	...	...	1 34 40	+3·113	0·00	1	+ 4 49 44·45	+18·33
13	o Piscium	4·4	0·77	1	1 38 31·74	+3·161	0·77	1	+ 8 30 9·77	+18·25
14	ξ Piscium	4·7	0·62	1	1 46 49·57	+3·099	0·62	1	+ 2·32 42·01	+17·95
15	α Hydri	3·0	0·92	9	1 54 40·27	+1·889	0·91	11	—62 12 9·93	+17·61
16	ξ ¹ Ceti	4·5	0·77	1	2 6 6·51	+3·169	0·77	1	+ 8 14 8·08	+17·07
17	ξ ² Ceti	4·4	...	...	2 21 15	+3·180	0·00	2	+ 7 52 34·76	+16·36
18	B.A.C. 779	6·3	0·93	8	2 25 2·36	+1·385	0·93	10	—64 52 50·19	+16·18
19	ν Ceti	4·9	0·03	1	2 29 3·29	+3·138	0·03	1	+ 5 1 28·82	+15·96
20	31 Arietis	5·6	0·77	2	2 29 32·73	+3·260	0·77	2	+11 52 55·97	+15·88
21	μ Ceti	4·4	0·72	3	2 37 55·03	+3·234	0·72	3	+ 9 33 49·12	+15·45
22	α Ceti	2·7	0·00	1	2 55 29·17	+3·127	...	...	+ 3 35	+14·36
23	κ Persei	4·0	0·94	9	3 0 44·28	+4·013	0·94	8	+44 21 45·31	+14·00
24	α Persei	1·9	0·00	6	3 15 3·38	+4·246	0·00	6	+49 23 48·76	+13·19
25	ξ Tauri	3·8	0·03	1	3 20 7·62	+3·242	0·03	1	+ 9 16 40·59	+12·85
26	f Tauri	4·3	0·28	3	3 23 41·92	+3·306	0·28	3	+12 29 21·44	+12·66
27	Lacaille 1164.....	5·7	0·95	7	3 29 32·14	+0·583	0·95	7	—66 55 46·87	+12·24
28	ε Tauri.....	5·1	0·77	1	3 41 8·75	+3·280	0·77	1	+10 44 29·47	+11·39
29	γ Hydri	3·1	0·76	4	3 49 16·72	—1·021	0·65	5	—74 38 11·78	+10·92
30	λ Tauri	Var.	0·25	3	3 53 28·75	+3·316	0·25	3	+12 7 16·62	+10·55

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1870°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1870°.	Annual Variation 1865°.
					^h ^m ^s	^s				
31	μ Persei	4·20·94	3	4	5 21·70	+4·376	0·94	3	+48° 4' 34·95	+ 9·62
32	γ Tauri	3·90·03	2	4	12 23·76	+3·407	0·03	2	+15 18 42·06	+ 9·07
33	α Reticuli	3·40·95	2	4	12 45·27	+0·754	0·95	2	-62 47 58·15	+ 9·10
34	ε Tauri	3·7 ...	...	4	21 2	+3·492	0·00	4	+18 53 23·79	+ 8·38
35	α Tauri	1·00·00	1	4	28 27·76	+3·435	0·00	4	+16 14 44·93	+ 7·64
36	δ Tauri	5·10·04	1	4	43 46·24	+3·502	0·04	1	+18 36 59·88	+ 6·54
37	ι Tauri	4·70·04	1	4	55 19·64	+3·582	0·04	1	+21 24 8·95	+ 5·57
38	l Tauri	5·50·78	1	5	0 7·03	+3·545	0·78	1	+20 14 40·49	+ 5·18
39	α Aurigæ	0·20·00	1	5	7 5·24	+4·421	0·00	1	+45 51 44·42	+ 4·19
40	β Orionis	0·30·00	1	5	8 17·46	+2·880	...	...	- 8 21	+ 4·49
41	119 Tauri	4·60·31	3	5	24 35·59	+3·517	0·31	3	+18 29 41·92	+ 3·12
42	ζ Tauri	3·00·31	3	5	29 52·54	+3·586	0·31	3	+21 3 37·82	+ 2·63
43	α Columbe	2·70·00	2	5	34 56·62	+2·178	...	...	-34 9	+ 2·20
44	χ ¹ Orionis	4·70·04	2	5	46 40·99	+3·552	0·04	2	+20 14 58·11	+ 1·09
45	χ ⁴ Orionis	4·80·04	1	5	56 11·95	+3·562	0·04	1	+20 8 20·95	+ 0·37
46	η Geminorum	Var. 0·78	1	6	7 1·66	+3·624	0·78	1	+22 32 29·55	- 0·60
47	μ Geminorum	3·2 ...	...	6	15 6	+3·632	0·00	3	+22 34 40·00	- 1·42
48	ν Geminorum	4·00·12	2	6	21 14·73	+3·562	0·12	2	+20 17 28·60	- 1·84
49	ζ ² Geminorum	Var. 0·04	1	6	56 23·82	+3·566	0·04	1	+20 45 30·18	- 4·88
50	δ Geminorum	3·7 ...	...	7	12 21	+3·592	0·00	2	+22 13 10·59	- 6·22
51	α Canis Minoris ..	0·50·00	2	7	32 29·75	+3·145	...	...	+ 5 33	- 8·89
52	κ Geminorum	3·60·12	2	7	36 35·89	+3·631	0·14	3	+24 42 26·60	- 8·23
53	β Geminorum	1·10·00	1	7	37 21·49	+3·682	...	...	+28 20	- 8·30
54	μ ² Cancri	5·3 ...	...	8	0 7	+3·543	0·19	1	+21 57 27·04	-10·04
55	15 Argus	2·90·00	1	8	2 0·49	+2·555	...	...	-23 56	-10·10
56	η Cancri	5·50·00	1	8	25 11·30	+3·479	0·00	3	+20 52 51·08	-11·91
57	γ Cancri	4·80·20	2	8	35 45·65	+3·483	0·20	2	+21 56 1·48	-12·61
58	δ Cancri	4·30·20	1	8	37 17·66	+3·423	0·20	1	+18 37 50·99	-12·93
59	ξ Cancri	5·20·20	1	9	1 52·92	+3·462	0·20	1	+22 34 9·37	-14·25
60	π ² Cancri	5·6 ...	...	9	8 3	+3·323	0·12	1	+15 28 44·13	-14·63

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1870°0.	Annual Variation 1865°0.	Fraction of Year.	No. of Obs.	Mean Dec. 1870°0.	Annual Variation 1865°0.
61	83 Cancri.....	6·6	0·00	1	^h 9 ^m 11 ^s 43·45	+3·356	0·00	1	+18° 15' 19" 77	-15" 04
62	β Argūs.....	1·7	0·77	4	9 11 45·84	+0·689	0·58	3	-69 10 55·49	-14·79
63	β Argūs S.P.....	...	...	...	...	...	0·77	3	56·79	...
64	α Hydre.....	2·0	0·00	1	9 21 11·99	+2·949	...	...	- 8 6	-15·39
65	ψ Leonis.....	5·7	0·27	1	9 36 39·09	+3·276	0·27	1	+14 36 54·91	-16·25
66	ν Leonis.....	5·3	0·20	2	9 51 13·60	+3·235	0·20	2	+13 3 49·56	-16·96
67	α Leonis.....	1·4	0·00	1	10 1 26·93	+3·203	0·00	4	+12 36 4·50	-17·41
68	37 Leonis.....	5·9	0·35	1	10 9 41·96	+3·229	0·35	1	+14 22 31·88	-17·80
69	γ Leonis.....	2·4	0·00	1	10 12 48·17	+3·317	...	...	+20 30	-18·04
70	ρ Leonis.....	4·0	0·00	1	10 25 57·79	+3·166	0·00	3	+ 9 58 29·07	-18·41
71	ι Leonis.....	5·3	0·00	3	10 42 25·35	+3·158	0·00	6	+11 13 56·77	-18·93
72	χ Leonis.....	4·7	0·00	2	10 58 18·62	+3·098	0·00	5	+ 8 2 18·66	-19·40
73	δ Hydre.....	3·9	0·00	2	11 12 50·59	+2·995	...	...	-14 5	-19·45
74	σ Leonis.....	4·1	0·24	4	11 14 25·95	+3·098	0·25	5	+ 6 44 29·48	-19·67
75	υ Leonis.....	4·5	0·00	3	11 30 17·57	+3·069	...	...	- 0 6	-19·86
76	ν Virginis.....	4·2	0·28	4	11 39 10·65	+3·085	0·28	4	+ 7 15 28·76	-20·03
77	β Virginis.....	3·7	0·20	1	11 43 55·44	+3·128	0·20	1	+ 2 29 50·16	-20·29
78	π Virginis.....	4·4	0·36	2	11 54 12·71	+3·074	0·36	2	+ 7 20 20·22	-20·06
79	ε Corvi.....	3·1	0·00	1	12 3 26·52	+3·075	...	...	-21 54	-20·05
80	β Chamaeleontis S.P.	4·3	...	...	12 10 46	+3·357	0·00	2	-78 35 28·29	-20·00
81	η Virginis.....	4·1	0·00	1	12 13 15·31	+3·065	0·00	6	+ 0 3 21·89	-20·06
82	γ Muscae S.P.....	4·0	...	...	12 24 44	+3·489	0·90	3	-71 24 55·25	-19·94
83	β Corvi.....	2·8	0·00	2	12 27 33·73	+3·131	...	...	-22 41	-19·98
84	γ Virginis (1st Star)	3·6	0·00	1	12 35 4·41	+3·037	0·00	1	- 0 44 6·20	-19·87
85	γ Virginis (as one mass)	2·8	0·00	2	12 35 4·43	+3·037	0·00	4	- 0 44 8·62	-19·87
86	γ Virginis (and Star)	3·6	0·00	1	12 35 4·47	+3·037	0·00	1	- 0 44 11·36	-19·87
87	β Crucis.....	1·5	0·89	2	12 40 8·19	+3·447	0·89	4	-58 58 38·12	-19·78
88	β Crucis S.P.....	...	...	...	...	...	0·90	7	39·59	...
89	37 Virginis.....	7·2	0·21	1	12 45 0·04	+3·051	0·21	1	+ 3 45 48·92	-19·64
90	48 Virginis.....	6·6	0·21	1	12 57 12·74	+3·086	0·21	1	- 2 57 45·61	-19·46

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R. A. 1870°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1870°.	Annual Variation 1865°.
					^h ^m ^s	^s			[°] ['] ["]	["]
91	θ Muscæ S.P.	5·6 ... ..	...	...	12 59 45	+ 3·793	0·91	1	64° 36' 36"·48	—19"·38
92	θ Virginis.....	4·4 0·00	2	13	3 13·28	+ 3·099	0·00	3	4 50 38·81	—19·34
93	65 Virginis.....	6·1 0·28	1	13	16 34·84	+ 3·101	0·28	1	4 14 35·77	—18·96
94	α Virginis.....	1·2 0·00	2	13	18 20·80	+ 3·150	...	...	10 29	—18·94
95	κ Octantis S.P....	5·7 ... ..	...	...	13 20 24	+ 8·376	0·91	2	85 7 3·77	—18·90
96	Lacaille 5566 S.P.	6·4 ... ..	...	...	13 24 34	+ 4·098	0·94	2	64 57 39·57	—18·72
97	ζ Virginis.....	3·5 0·00	2	13	28 4·25	+ 3·052	0·00	2	+ 0 4 11·34	—18·54
98	η Virginis.....	5·3 0·21	1	13	34 47·56	+ 3·142	0·21	1	8 2 47·37	—18·36
99	β Centauri.....	0·8 ... ..	...	...	13 54 40 ^h	+ 4·158	0·88	2	59 44 36·22	—17·68
100	β Centauri S.P....	... ..	...	...	...	...	0·92	2	39·13	...
101	τ Virginis	4·4 0·00	1	13	55 1·93	+ 3·047	...	...	+ 2 10	—17·66
102	95 Virginis.	5·7 0·21	1	13	59 50·41	+ 3·161	0·21	1	8 41 29·07	—17·38
103	Lacaille 5836 S.P.	6·9 ... ..	...	...	14 4 37	+ 4·555	0·92	4	65 5 25·98	—17·15
104	κ Virginis.....	4·3 0·44	2	14	5 57·88	+ 3·197	0·44	2	9 40 1·55	—17·10
105	δ Octantis S.P....	4·1 ... ..	...	...	14 6 24	+ 8·720	0·93	2	83 4 7·89	—17·13
106	λ Virginis	4·6 0·44	2	14	12 4·81	+ 3·239	0·44	2	12 46 15·79	—16·80
107	z Octantis.....	6·5 0·54	1	14	27 20·49	+ 21·750	0·56	2	87 36 36·97	—16·20
108	z Octantis S.P. ...	... 0·54	1	...	21·00	...	...	...	...	...
109	α ¹ Centauri	2·8 ... ..	...	...	14 30 46	+ 4·032	0·43	1	60 17 41·84	—15·04
110	α ² Centauri	0·3 0·43	5	14	30 47·08	+ 4·032	0·66	12	60 17 53·06	—15·04
111	α ² Centauri S.P. .	... ..	...	...	...	...	0·90	4	53·42	...
112	α Circini	3·4 0·93	1	14	32 1·58	+ 4·752	0·92	2	64 24 22·76	—16·06
113	α Circini S.P.....	... ..	...	...	...	...	0·93	7	26·07	...
114	α ² Libræ.....	3·0 0·00	2	14	43 41·32	+ 3·305	0·00	1	15 29 59·64	—15·23
115	α ¹ Libræ.....	5·4 0·21	1	14	59 22·68	+ 3·332	0·21	1	15 45 3·31	—14·27
116	γ Trianguli Australe	3·0 0·91	1	15	6 48·56	+ 5·480	0·90	4	68 11 44·69	—13·81
117	γ Trianguli Aust. S.P.	... ..	...	...	...	...	0·91	11	47·34	...
118	β Libræ	2·7 0·00	1	15	10 0·90	+ 3·218	...	...	8 54	—13·58
119	ρ Octantis	5·7 0·61	1	15	13 44·26	+ 12·634	0·59	1	84 1 25·44	—13·35
120	ρ Octantis S.P....	... 0·61	1	...	44·24	...	0·61	2	25·71	...

412 *Catalogue of Mean R.A. and Dec. of Stars, observed at*

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1870°0.	Annual Variation 1865°0.	Fraction of Year.	No. of Obs.	Mean Dec. 1870°0.	Annual Variation 1865°0.
121	♌ ² Libræ	7°00'14	1	15	15 46°93	+	3°3330'14	1	14 46 3"19	—13"18
122	γ Libræ	4°00'29	3	15	28 15°46	+	3°3460'29	3	14 21 13"15	—12"33
123	α Serpentis	2°70'00	1	15	37 51°96	+	2°949 ...	...	6 50	—11"62
124	β Trianguli Australis	3°10'96	2	15	43 42°68	+	5°2160'96	2	63 1 30°84	—11°70
125	β Trianguli Aust. S.P.	...	...	...	...	...	0°93	5	33°65	...
126	θ Libræ	4°30'22	2	15	46 25°60	+	3°4140'22	2	16 20 43°82	—10°93
127	49 Libræ	5°60'22	2	15	53 2°14	+	3°3530'22	2	16 8 52°44	—10°94
128	β ¹ Scorpii	2°90'00	1	15	57 52°83	+	3°4770'00	2	19 26 50°04	—10°23
129	ν Scorpii	4°20'29	2	16	4 26°59	+	3°4800'29	2	19 7 13°02	—9°68
130	δ Ophiuchi	2°80'00	1	16	7 32°07	+	3°136 ...	...	3 21	—9°59
131	φ Ophiuchi	4°40'59	1	16	23 42°04	+	3°4240'59	1	16 19 36°74	—8°24
132	β Apodis S.P.....	4°2 ...	...	16	24 35	+	8°3770'94	1	77 14 23°70	—8°53
133	B.A.C. 5579	5°20'59	1	16	34 3°46	+	3°4620'59	1	17 29 15°44	—7°34
134	α Trianguli Australis	1°90'00	10	16	34 55°29	+	6°2770'00	9	68 47 2°45	—7°39
135	α Trianguli Aust. S.P.	...	...	...	...	...	0°00	7	6°09	...
136	Lacaille 6998 S.P.	6°6 ...	...	16	45 38	+	5°7860'97	2	64 59 28°87	—6°43
137	29 Ophiuchi	6°80'22	1	16	54 14°96	+	3°5030'22	1	18 41 28°30	—5°69
138	η Ophiuchi	2°60'22	1	17	2 55°37	+	3°4360'22	1	15 33 40°89	—4°86
139	B.A.C. 5794 S.P.	6°0 ...	...	17	7 11	+	11°0340'70	1	80 43 47°27	—4°76
140	θ Ophiuchi	3°4 ...	...	17	14 2	+	3°6760'00	1	24 51 59°99	—4°01
141	58 Ophiuchi.....	5°00'59	1	17	35 38°45	+	3°5920'59	1	21 37 1°16	—2°20
142	B.A.C. 5936	5°20'72	1	17	38 18°35	+	35°3750'72	1	87 39 12°94	—2°04
143	B.A.C. 5936 S.P.	... 0°72	2		14°84	...	0°72	1	15°35	...
144	σ Octantis	5°50'72	1	18	6 27°71	+	109°7420'00	2	89 16 42°36	—0°10
145	σ Octantis S.P....	... 0°72	2		25°76	...	0°00	2	44°82	...
146	μ ¹ Sagittarii	4°1 ...	...	18	5 59	+	3°5840'00	1	21 5 22°97	+0°49
147	21 Sagittarii	4°90'30	1	18	17 36°56	+	3°5740'30	1	20 36 31°09	+1°50
148	ξ ² Sagittarii	3°50'60	1	18	49 58°40	+	3°5820'60	1	21 16 29°55	+4°32
149	ε Sagittarii	3°90'60	1	18	56 53°45	+	3°5990'60	1	21 55 44°95	+4°88
150	π Sagittarii	3°10'38	1	19	2 1°91	+	3°574 ...	...	21 14	+5°35

No.	Star.	Magnitude.	Fraction of Year.	No. of Obs.	Mean R.A. 1870°.	Annual Variation 1865°.	Fraction of Year.	No. of Obs.	Mean Dec. 1870°.	Annual Variation 1865°.
151	ρ^1 Sagittarii.....	3·9	0·30	1	$\begin{matrix} h & m & s \\ 19 & 14 & 8\cdot20 \end{matrix}$	+ 3·488	0·30	1	—18° 5' 26" 35	+ 6' 41
152	λ^2 Sagittarii	4·6	...	...	19 28 47	+ 3·656	0·00	1	—25 10 4·25	+ 7·57
153	f Sagittarii.....	5·1	0·45	2	19 38 46·52	+ 3·506	0·45	2	—20 4 15·40	+ 8·33
154	ϵ Pavonis.....	4·0	0·76	1	19 45 30·96	+ 7·108	0·76	1	—73 14 52·45	+ 8·74
155	σ Capricorni.....	5·6	0·46	2	20 11 53·51	+ 3·469	0·53	1	—19 31 18·50	+10·90
156	ρ Capricorni.....	5·0	...	...	20 21 26	+ 3·426	0·00	3	—18 14 27·93	+11·58
157	ν Capricorni	5·3	0·53	2	20 32 38·87	+ 3·423	0·53	2	—18 35 38·67	+12·39
158	θ Capricorni	4·3	0·61	5	20 58 38·29	+ 3·385	0·61	5	—17 44 50·76	+14·05
159	ι Capricorni	4·4	0·61	5	21 15 0·41	+ 3·349	0·61	5	—17 23 11·15	+15·08
160	γ Capricorni	3·8	0·56	3	21 32 53·14	+ 3·333	0·56	3	—17 14 52·60	+16·04
161	κ Capricorni.....	4·7	0·76	2	21 35 23·82	+ 3·359	0·76	2	—19 27 26·63	+16·18
162	δ Capricorni	3·0	0·60	6	21 39 51·79	+ 3·320	0·60	6	—16 42 56·20	+16·11
163	ι Aquarii	4·3	0·53	3	21 59 24·88	+ 3·246	0·53	3	—14 29 55·72	+17·28
164	ϵ^2 Aquarii	5·4	0·68	1	22 3 40·63	+ 3·214	0·68	1	—12 12 10·90	+17·52
165	θ Aquarii	4·3	...	...	22 9 58	+ 3·170	0·00	1	—8 25 45·85	+17·75
166	σ Aquarii.....	4·8	0·61	1	22 23 46·02	+ 3·182	0·61	1	—11 20 31·58	+18·39
167	τ^2 Aquarii	4·1	0·71	3	22 42 42·43	+ 3·182	0·71	3	—14 16 40·36	+18·88
168	λ Aquarii	3·8	0·63	3	22 45 49·92	+ 3·133	0·63	3	—8 16 13·35	+19·01
169	γ^4 Aquarii	5·8	0·76	2	22 46 37·93	+ 3·164	0·76	2	—12 18 25·15	+19·02
170	α Piscis Australis	1·3	0·00	2	22 50 27·79	+ 3·330	0·00	1	—30 18 36·47	+18·96
171	α Pegasi	2·6	0·00	1	22 58 17·23	+ 2·983	...	...	+14 30	+19·31
172	λ^1 Aquarii	5·5	0·53	1	22 58 22·80	+ 3·132	0·53	1	—8 23 39·08	+19·35
173	τ Octantis	5·6	0·44	2	23 7 14·91	+13·130	0·43	1	—88 11 38·56	+19·52
174	τ Octantis S.P....	...	0·43	2	14·69	...	0·43	1	41·87	...
175	ψ^1 Aquarii	4·5	0·66	3	23 9 4·81	+ 3·147	0·66	3	—9 47 42·96	+19·55
176	B.A.C. 8239	6·1	0·71	3	23 34 25·34	+ 3·104	0·71	3	—12 24 4·76	+19·93
177	B.A.C. 8266	6·0	0·76	2	23 40 34·28	+ 3·097	0·76	2	—12 37 46·97	+19·98
178	27 Piscium	5·0	0·54	1	23 52 1·10	+ 3·068	0·54	1	—4 16 38·65	+19·92
179	30 Piscium	4·6	0·66	3	23 55 17·55	+ 3·077	0·66	3	—6 44 9·36	+20·02
180	33 Piscium	4·6	0·66	3	23 58 40·92	+ 3·071	0·66	3	—6 26 4·88	+20·15

ROYAL OBSERVATORY,

CAPE OF GOOD HOPE.

SEMIDIAMETERS

AND

RIGHT ASCENSIONS AND DECLINATIONS

OF THE

SUN, MOON & PLANETS,

DEDUCED FROM THE OBSERVATIONS

AND

COMPARED WITH THE NAUTICAL ALMANAC

OR

BERLINER JAHRBUCH,

1866—1870.

SEMIDIAMETERS OF THE SUN.

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1866.		m s	s	s			
March 7	G	1 4'99	5'01	— 0'02	16 8''76	8''71	+ 0''05
8	G	1 4'89	4'95	— 0'06	16 8'98	8'41	+ 0'57
9	CF	1 4'84	4'90	— 0'06	16 11'05	8'21	+ 2'84
10	G	1 4'79	4'85	— 0'06	16 8'05	7'91	+ 0'14
12	G	1 4'78	4'76	+ 0'02	16 7'44	7'31	+ 0'13
13	G	1 4'85	4'72	+ 0'13	16 9'52	7'11	+ 2'41
16	G	1 4'60	4'61	— 0'01	16 7'07	6'21	+ 0'86
17	G	1 4'51	4'58	— 0'07	16 5'46	6'01	— 0'55
19	G	1 4'49	4'53	— 0'04	16 5'28	5'41	— 0'13
20	G	1 4'48	4'51	— 0'03	16 5'81	5'11	+ 0'70
21	G	1 4'54	4'49	+ 0'05	16 6'80	4'91	+ 1'89
22	G	1 4'43	4'47	— 0'04	16 4'94	4'61	+ 0'33
23	G	1 4'60	4'46	+ 0'14	16 6'18	4'31	+ 1'87
24	G	1 4'51	4'45	+ 0'06	16 5'63	4'01	+ 1'62
26	G	1 4'42	4'44	— 0'02	16 3'66	3'51	+ 0'15
27	G	1 4'39	4'44	— 0'05	16 3'15	3'21	— 0'06
28	G	1 4'37	4'45	— 0'08	16 3'16	2'91	+ 0'25
29	G	1 4'43	4'46	— 0'03	16 2'87	2'71	+ 0'16
June 8	G	1 8'64	8'73	— 0'09	15 46'71	47'30	— 0'59
9	G	1 8'71	8'76	— 0'05	15 47'49	47'20	+ 0'29
11	G	1 8'74	8'83	— 0'09	15 47'29	47'00	+ 0'29
16	G	1 8'81	8'94	— 0'13	15 46'53	46'50	+ 0'03
18	G	1 8'88	8'96	— 0'08	15 46'72	46'40	+ 0'32
19	G	1 8'89	8'96	— 0'07	15 46'83	46'30	+ 0'53
20	G	1 8'93	8'97	— 0'04	15 46'32	46'30	+ 0'02
22	G	1 8'89	8'96	— 0'07	15 45'72	46'20	— 0'48
23	G	1 8'87	8'95	— 0'08	15 46'47	46'10	+ 0'37
25	CF	1 8'95	8'93	+ 0'02	15 46'92	46'10	+ 0'82
26	CF	1 8'97	8'91	+ 0'06	15 47'55	46'00	+ 1'55
27	G	...	...	...	15 46'47	46'00	+ 0'47
28	G	...	...	...	15 45'89	46'00	— 0'11
29	G	1 8'74	8'84	— 0'10	15 44'52	46'00	— 1'48

March 7, 24, 29, June 20, 27, 28. Diffused.

March 12, 13, 20, 21, June 22, 25. Very diffused and tremulous.

March 22, 23. Very bad definition.

June 18. Very tremulous; cloudy.

June 19. Limbs boiling.

at the Royal Observatory, Cape of Good Hope, 1866-70. 417

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1866— <i>contd.</i>		m s	s	s	' "	"	"
July 4	G	1 8'60	8'65	— 0'05	15 45'01	46'00	— 0'99
5	G	1 8'54	8'61	— 0'07	15 45'54	46'00	— 0'46
September 7	G	1 4'14	4'19	— 0'05	15 54'88	54'90	— 0'02
13	CF	1 4'06	4'07	— 0'01	15 56'57	56'40	+ 0'17
14	G	1 4'04	4'06	— 0'02	15 57'25	56'70	+ 0'55
15	G	1 4'03	4'05	— 0'02	15 56'57	57'00	— 0'43
17	G	1 4'09	4'05	+ 0'04	15 56'87	57'50	— 0'63
18	G	1 3'99	4'05	— 0'06	15 57'38	57'80	— 0'42
20	G	1 3'99	4'06	— 0'07	15 57'73	58'40	— 0'67
21	G	1 4'01	4'08	— 0'07	15 58'14	58'60	— 0'46
24	G	1 4'21	4'13	+ 0'08	15 60'46	59'50	+ 0'96
25	G	1 4'14	4'15	— 0'01	15 59'03	59'70	— 0'67
26	CF	1 4'10	4'18	— 0'08	16 0'02	0'00	+ 0'02
27	G	1 4'21	4'21	0'00	16 0'73	0'30	+ 0'43
28	G	1 4'33	4'24	+ 0'09	16 1'70	0'60	+ 1'10
29	G	1 4'23	4'27	— 0'04	16 0'66	0'80	— 0'14
October 1	G	1 4'36	4'35	+ 0'01	16 1'96	1'40	+ 0'56
2	G	1 4'39	4'40	— 0'01	16 1'62	1'60	+ 0'02
4	G	1 4'35	4'50	— 0'15	16 1'32	2'20	— 0'88
December 7	G	1 10'71	10'75	— 0'04	16 16'16	16'60	— 0'44
8	G	1 10'86	10'82	+ 0'04	16 19'28	16'70	+ 2'58
10	G	1 11'14	10'94	+ 0'20	16 19'24	17'00	+ 2'24
11	G	1 11'02	10'99	+ 0'03	16 18'76	17'10	+ 1'66
12	G	1 11'11	11'04	+ 0'07	16 17'61	17'20	+ 0'41
13	CF	1 11'26	11'09	+ 0'17	16 19'29	17'30	+ 1'99
14	G	1 11'26	11'13	+ 0'13	16 20'84	17'40	+ 3'44
15	G	1 11'32	11'16	+ 0'16	16 19'94	17'50	+ 2'44
17	G	1 11'21	11'22	— 0'01	16 18'45	17'70	+ 0'75
19	G	1 11'30	11'27	+ 0'03	16 19'18	17'90	+ 1'28
20	CF	1 11'53	11'28	+ 0'25	16 19'78	17'90	+ 1'88
21	G	...	...	...	16 18'68	18'00	+ 0'68
22	JS	...	...	...	16 19'21	18'00	+ 1'21

July 4, September 17, 27, October 2, December 11, 17, 22. Diffused.

September 13, 20, December 21. Very tremulous.

September 14, 24, 25, 28, December 8, 10, 14, 15, 20. Diffused and tremulous.

September 26, December 7. Cloudy.

418 *Semidiameters of Sun and Planets from Observations*

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1866—contd.							
December 24	G	m 8 1 11'45	s 11'28	+ 0'17	16 19'24	18''10	+ 1''14
27	G	1 11'35	11'24	+ 0'11	16 19'59	18'20	+ 1'39
31	G	1 11'26	11'12	+ 0'14	16 20'43	18'20	+ 2'23
1867.							
January 3	CF	1 11'25	10'98	+ 0'27	16 21'80	18'20	+ 3'60
4	G	1 10'99	10'93	+ 0'06	16 20'73	18'20	+ 2'53
March							
7	G	1 5'04	5'03	+ 0'01	16 9'78	8'70	+ 1'08
8	G	1 4'98	4'97	+ 0'01	16 8'92	8'40	+ 0'52
13	G	1 4'69	4'73	— 0'04	16 7'22	7'20	+ 0'02
14	G	1 4'74	4'69	+ 0'05	16 8'25	6'90	+ 1'35
15	CF	1 4'77	4'66	+ 0'11	16 8'77	6'60	+ 2'17
16	G	1 4'63	4'62	+ 0'01	16 7'67	6'40	+ 1'27
18	CF	1 4'59	4'56	+ 0'03	16 6'43	5'80	+ 0'63
19	G	1 4'61	4'54	+ 0'07	16 6'98	5'60	+ 1'38
20	G	1 4'47	4'52	— 0'05	16 6'21	5'30	+ 0'91
22	G	1 4'41	4'48	— 0'07	16 4'14	4'70	— 0'56
23	G	1 4'51	4'47	+ 0'04	16 6'14	4'50	+ 1'64
25	G	1 4'50	4'45	+ 0'05	16 5'10	3'90	+ 1'20
26	G	1 4'37	4'45	— 0'08	16 4'64	3'60	+ 1'04
27	G	1 4'44	4'45	— 0'01	16 3'99	3'30	+ 0'69
28	G	1 4'46	4'45	+ 0'01	16 2'56	3'00	— 0'44
29	G	1 4'40	4'45	— 0'05	16 3'06	2'80	+ 0'26
30	G	1 4'42	4'46	— 0'04	16 2'66	2'50	+ 0'16
April							
1	G	1 4'51	4'48	+ 0'03	16 3'55	1'90	+ 1'65
2	G	1 4'47	4'50	— 0'03	16 2'32	1'60	+ 0'72
3	G	1 4'48	4'52	— 0'04	16 1'45	1'40	+ 0'05
June							
7	G	1 8'61	8'68	— 0'07	15 47'48	47'40	+ 0'08
8	G	1 8'69	8'72	— 0'03	15 46'74	47'30	— 0'56
11	G	1 8'82	8'82	0'00	15 46'39	47'00	— 0'61
12	G	1 8'82	8'85	— 0'03	15 46'83	46'90	— 0'07
15	G	1 8'88	8'92	— 0'04	15 45'64	46'70	— 1'06

December 24, January 3, March 15, 26, 28, April 3. Diffused and tremulous.

December 27, 31, March 18, June 11. Very tremulous.

January 4, March 7, 16, 19. Diffused.

March 14, 23. Very diffused and unsteady.

March 20, June 15. Very faint; cloudy.

June 12. Limbs boiling.

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.	
		Observation.	N.A.		Observation.	N.A.		
1867— <i>contd.</i>								
June	17	G	m 8 8'89	8'95	— 0'06	15 46'66	46'50	+ 0'16
	18	G	1 8'92	8'96	— 0'04	15 46'34	46'50	— 0'16
	19	G	1 8'92	8'96	— 0'04	15 46'79	46'40	+ 0'39
	24	G	1 8'87	8'94	— 0'07	15 46'14	46'10	+ 0'04
	28	CF	1 8'87	8'87	0'00	15 47'46	46'00	+ 1'46
July	1	G	1 8'77	8'78	— 0'01	15 45'74	45'90	— 0'16
	2	G	1 8'70	8'74	— 0'04	15 46'01	45'90	+ 0'11
	3	G	1 8'67	8'70	— 0'03	15 46'51	45'90	+ 0'61
	4	G	1 8'64	8'66	— 0'02	15 45'73	45'90	— 0'17
September	13	G	1 4'03	4'07	— 0'04	15 55'54	56'40	— 0'86
	14	G	1 4'08	4'06	+ 0'02	15 56'50	56'70	— 0'20
	16	G	1 4'04	4'04	0'00	15 58'61	57'20	+ 1'41
	17	G	1 4'22	4'04	+ 0'18	15 59'57	57'50	+ 2'07
	19	G	1 3'96	4'05	— 0'09	15 57'89	58'00	— 0'11
	20	CF	1 4'08	4'06	+ 0'02	15 57'29	58'30	— 1'01
	21	JS	1 4'06	4'07	— 0'01	...	...	...
	26	G	1 4'08	4'16	— 0'08	15 60'04	59'90	+ 0'14
	27	G	1 4'15	4'19	— 0'04	15 59'76	60'10	— 0'34
October	1	G	...	...	...	16 1'92	1'30	+ 0'62
	2	G	...	...	...	16 1'28	1'50	— 0'22
December	12	G	...	...	...	16 18'73	17'20	+ 1'53
	13	G	...	...	...	16 17'87	17'30	+ 0'57
	16	CF	1 11'20	11'19	+ 0'01	16 16'27	17'60	— 1'33
	17	G	1 11'32	11'22	+ 0'10	16 17'38	17'60	— 0'22
	18	G	1 11'37	11'24	+ 0'13	16 18'87	17'70	+ 1'17
	19	G	1 11'33	11'26	+ 0'07	16 19'39	17'70	+ 1'69
	20	G	1 11'40	11'27	+ 0'13	16 18'60	17'80	+ 0'80
	21	G	1 11'28	11'28	0'00	16 18'60	17'90	+ 0'70
	23	G	1 11'36	11'29	+ 0'07	16 18'83	18'00	+ 0'83
	24	G	1 11'36	11'28	+ 0'08	16 18'90	18'00	+ 0'90
	27	G	1 11'26	11'24	+ 0'02	16 19'79	18'10	+ 1'69

June 18, September 13, 16. Very tremulous.

July 3, September 20. Diffused and unsteady.

September 17, December 17, 18. Very bad definition.

October 1, 2, December 19, 20, 21, 23. Limbs boiling.

June 28. Diffused.

September 14. Cloudy.

420 *Semidiameters of Sun and Planets from Observations*

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1867—contd.							
December 28	G	m s 1 11'27	s 11'22	+ 0'05	16 18'90	18'10	+ 0'80
30	G	1 11'20	11'16	+ 0'04	16 20'23	18'20	+ 2'03
31	G	1 11'06	11'13	— 0'07	16 17'71	18'20	— 0'49
1868.							
March 7	G	1 4'96	4'99	— 0'03	16 9'40	8'60	+ 0'80
9	G	1 4'99	4'88	+ 0'11	16 8'10	8'10	0'00
10	G	1 4'95	4'83	+ 0'12	16 9'57	7'80	+ 1'77
11	G	1 4'71	4'78	— 0'07	16 7'16	7'60	— 0'44
12	G	...	...	...	16 8'04	7'30	+ 0'74
13	G	1 4'75	4'70	+ 0'05	16 8'40	7'00	+ 1'40
17	G	1 4'58	4'57	+ 0'01	16 6'62	5'90	+ 0'72
18	G	1 4'58	4'54	+ 0'04	16 6'65	5'60	+ 1'05
19	G	1 4'49	4'52	— 0'03	16 5'46	5'30	+ 0'16
20	G	1 4'55	4'50	+ 0'05	16 6'43	5'00	+ 1'43
21	G	1 4'49	4'48	+ 0'01	16 4'80	4'80	0'00
23	G	1 4'49	4'46	+ 0'03	16 3'82	4'20	— 0'38
24	G	1 4'44	4'45	— 0'01	16 3'99	3'90	+ 0'09
28	G	1 4'44	4'45	— 0'01	16 3'47	2'80	+ 0'67
30	CF	...	...	...	16 2'95	2'30	+ 0'65
31	G	1 4'52	4'48	+ 0'04	16 2'86	2'00	+ 0'86
April 1	G	1 4'51	4'50	+ 0'01	16 2'74	1'80	+ 0'94
2	G	...	...	...	16 2'29	1'50	+ 0'79
3	G	1 4'54	4'54	0'00	16 2'52	1'20	+ 1'32
June 8	G	1 8'73	8'75	— 0'02	15 47'35	47'30	+ 0'05
9	G	1 8'78	8'79	— 0'01	15 47'31	47'20	+ 0'11
10	G	1 8'76	8'82	— 0'06	15 47'49	47'10	+ 0'39
11	G	1 8'76	8'85	— 0'09	15 49'10	47'00	+ 2'10
12	G	1 8'91	8'87	+ 0'04	15 48'48	46'90	+ 1'58
13	G	1 8'79	8'89	— 0'10	15 46'86	46'80	+ 0'06
15	G	1 8'79	8'93	— 0'14	15 46'52	46'60	— 0'08
18	G	1 8'86	8'96	— 0'10	15 46'69	46'40	+ 0'29
19	G	1 8'94	8'96	— 0'02	15 47'01	46'30	+ 0'71

December 30, March 12, 30. Diffused and unsteady.

March 20. Limbs boiling.

June 9. Very bad definition.

March 24, 31. Very unsteady.

June 12. Diffused.

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1868— <i>contd.</i>		m s	s	s	′ ″	″	″
June 20	G	1 8'89	8'96	— 0'07	15 46'27	46'20	+ 0'07
22	G	1 8'96	8'95	+ 0'01	15 45'87	46'10	— 0'23
23	G	1 8'88	8'94	— 0'06	15 46'39	46'10	+ 0'29
29	G	1 8'77	8'82	— 0'05	15 45'60	46'00	— 0'40
30	G	1 8'75	8'79	— 0'04	15 46'39	46'00	+ 0'39
July 2	G	1 8'68	8'71	— 0'03	15 46'26	46'00	+ 0'26
September 7	G	1 4'16	4'17	— 0'01	15 54'86	55'10	— 0'24
8	G	1 4'09	4'15	— 0'06	15 54'95	55'40	— 0'45
9	G	1 4'13	4'12	+ 0'01	15 55'40	55'60	— 0'20
10	G	1 4'09	4'10	— 0'01	15 56'68	55'90	+ 0'78
11	G	1 4'01	4'08	— 0'07	15 56'46	56'10	+ 0'36
12	CF	...	...	...	15 57'08	56'40	+ 0'68
14	G	1 4'08	4'05	+ 0'03	15 57'90	56'90	+ 1'00
15	G	1 3'99	4'04	— 0'05	15 56'38	57'10	— 0'72
18	G	1 4'06	4'05	+ 0'01	15 59'20	57'90	+ 1'30
19	G	...	...	...	15 58'09	58'20	— 0'11
21	G	1 4'06	4'08	— 0'02	15 59'17	58'80	+ 0'37
23	G	1 4'12	4'11	+ 0'01	15 58'30	59'30	— 1'00
24	G	1 4'13	4'14	— 0'01	15 59'43	59'60	— 0'17
25	G	...	...	...	15 59'98	59'90	+ 0'08
28	G	...	...	...	16 2'13	0'70	+ 1'43
29	G	1 4'34	4'30	+ 0'04	16 0'53	1'00	— 0'47
30	G	1 4'28	4'33	— 0'05	16 0'90	1'30	— 0'40
October 1	G	1 4'39	4'37	+ 0'02	16 2'42	1'50	+ 0'92
2	G	1 4'60	4'42	+ 0'18	16 3'83	1'80	+ 2'03
3	JS	1 4'42	4'47	— 0'05	16 3'25	2'10	+ 1'15
5	G	1 4'57	4'58	— 0'01	16 2'98	2'60	+ 0'38
December 7	G	1 10'91	10'79	+ 0'12	16 18'06	16'70	+ 1'36
8	G	1 10'89	10'85	+ 0'04	16 18'42	16'80	+ 1'62
10	G	1 10'99	10'97	+ 0'02	16 17'71	17'00	+ 0'71
12	G	1 11'13	11'07	+ 0'06	16 18'23	17'20	+ 1'03

September 7, 24, October 5, December 7, 10, 12. Very unsteady.

September 9, 10, 19. Diffused.

September 11, 12. Cloudy.

September 14, 21, 25, 28, October 2. Very bad definition.

September 30. Limbs boiling.

December 8. Bad definition.

422 *Semidiameters of Sun and Planets from Observations*

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1868—contd.							
December 17	G	m s 1 11'27	s 11'23	+ 0'04	16 18'33	17'60	+ 0'73
18	G	1 11'23	11'25	— 0'02	16 18'81	17'70	+ 1'11
19	G	1 11'34	11'27	+ 0'07	16 19'49	17'80	+ 1'69
21	G	1 11'36	11'29	+ 0'07	16 18'31	17'90	+ 0'41
22	G	1 11'43	11'29	+ 0'14	16 19'33	18'00	+ 1'33
23	G	1 11'36	11'29	+ 0'07	16 20'12	18'00	+ 2'12
24	G	1 11'45	11'28	+ 0'17	16 20'16	18'10	+ 2'06
28	G	1 11'39	11'20	+ 0'19	16 20'60	18'20	+ 2'40
29	G	1 11'25	11'17	+ 0'08	16 18'92	18'20	+ 0'72
30	G	1 11'18	11'14	+ 0'04	16 19'22	18'20	+ 1'02
31	G	1 11'01	11'10	— 0'09	16 18'39	18'20	+ 0'19
1869.							
January 4	G	1 10'97	10'90	+ 0'07	16 19'87	18'20	+ 1'67
March							
8	G	1 4'98	4'94	+ 0'04	16 9'03	8'30	+ 0'73
10	G	1 4'88	4'84	+ 0'04	16 7'99	7'80	+ 0'19
12	G	1 4'76	4'75	+ 0'01	16 7'02	7'20	— 0'18
13	G	1 4'73	4'71	+ 0'02	16 7'74	7'00	+ 0'74
15	G	1 4'75	4'63	+ 0'12	16 7'37	6'40	+ 0'97
16	G	1 4'54	4'60	— 0'06	16 4'87	6'20	— 1'33
17	G	1 4'59	4'57	+ 0'02	16 6'81	5'90	+ 0'91
18	G	1 4'56	4'55	+ 0'01	16 6'68	5'60	+ 1'08
20	G	1 4'43	4'50	— 0'07	16 4'70	5'10	— 0'40
22	G	1 4'46	4'47	— 0'01	16 4'08	4'50	— 0'42
23	G	1 4'46	4'46	0'00	16 4'11	4'30	— 0'19
24	G	1 4'48	4'45	+ 0'03	16 4'18	4'00	+ 0'18
25	G	1 4'42	4'45	— 0'03	16 4'86	3'70	+ 1'16
27	G	1 4'40	4'45	— 0'05	16 2'00	3'20	— 1'20
30	G	1 4'39	4'46	— 0'07	16 1'80	2'40	— 0'60
31	G	1 4'54	4'48	+ 0'06	16 2'57	2'10	+ 0'47
April							
1	G	1 4'57	4'50	+ 0'07	16 2'36	1'80	+ 0'56
2	G	1 4'49	4'52	— 0'03	16 3'07	1'50	+ 1'57
December 17, January 4, March 10, 12. Very unsteady. December 18, 22, 23, 30, March 15. Very bad definition. December 24, March 8. Limbs boiling. December 31, March 16. Cloudy. March 23. Very tremulous. March 22, 27. Faint; cloudy. April 1, 2. Diffused and tremulous.							

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1869— <i>contd.</i>		m s	s	s	' "	"	"
May 7	JS	1 6.54	6.55	— 0.01	...	...	...
11	JS	1 6.80	6.88	— 0.08	...	...	...
12	JS	1 6.90	6.96	— 0.06	...	...	...
18	JS	1 7.35	7.45	— 0.10	...	...	...
20	JS	1 7.52	7.61	— 0.09	...	...	...
June 7	G	1 8.65	8.70	— 0.05	15 45.16	47.30	— 2.14
8	G	1 8.71	8.74	— 0.03	15 46.66	47.20	— 0.54
9	G	1 8.74	8.78	— 0.04	15 48.08	47.10	+ 0.98
10	G	1 8.80	8.81	— 0.01	15 46.62	47.00	— 0.38
11	G	1 8.77	8.84	— 0.07	15 47.50	46.90	+ 0.60
12	G	1 8.78	8.87	— 0.09	15 46.66	46.80	— 0.14
14	G	1 8.99	8.91	+ 0.08	15 48.32	46.70	+ 1.62
15	G	...	...	...	15 46.06	46.60	— 0.54
16	G	1 8.95	8.94	+ 0.01	15 46.72	46.50	+ 0.22
17	G	1 8.88	8.95	— 0.07	15 45.72	46.50	— 0.78
18	G	...	...	...	15 45.79	46.40	— 0.61
19	G	1 8.94	8.97	— 0.03	15 46.22	46.40	— 0.18
25	G	...	...	...	15 45.37	46.10	— 0.73
July 2	G	1 8.75	8.72	+ 0.03	15 46.12	46.00	+ 0.12
5	G	1 8.53	8.59	— 0.06	15 45.15	46.00	— 0.85
September 6	G	1 4.15	4.21	— 0.06	...	...	...
7	G	1 4.16	4.18	— 0.02	15 53.99	55.00	— 1.01
8	JS	1 4.04	4.15	— 0.11	...	...	...
9	JS	1 4.08	4.13	— 0.05	15 54.67	55.50	— 0.83
10	JS	1 4.07	4.11	— 0.04	15 55.97	55.80	+ 0.17
13	G	1 3.98	4.07	— 0.09	15 55.22	56.60	— 1.38
15	G	1 4.03	4.05	— 0.02	15 57.38	57.10	+ 0.28
17	G	...	...	...	15 58.69	57.60	+ 1.09
18	G	1 4.11	4.05	+ 0.06	15 59.46	57.90	+ 1.56
20	G	1 4.05	4.07	— 0.02	15 58.27	58.50	— 0.23
21	G	1 4.08	4.08	0.00	15 58.66	58.70	— 0.04
27	G	1 4.27	4.22	+ 0.05	16 0.42	0.30	+ 0.12

June 10. Very tremulous.

June 11, 15, September 6, 7, 13. Faint; cloudy.

June 14. Diffused and tremulous.

June 25. Cloudy; unsatisfactory observation.

September 18, 20. Diffused.

424 *Semidiameters of Sun and Planets from Observations*

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1869— <i>contd.</i>		m s	s	s	16 0" 65	0" 60	+ 0" 05
September 28	G	1 4' 20	4' 25	— 0' 05	16 1' 50	0' 90	+ 0' 60
29	G	1 4' 27	4' 28	— 0' 01	16 1' 11	1' 10	+ 0' 01
30	G	1 4' 33	4' 32	+ 0' 01			
October 2	G	1 4' 45	4' 41	+ 0' 04	16 2' 39	1' 70	+ 0' 69
4	G	1 4' 52	4' 51	+ 0' 01	16 2' 46	2' 20	+ 0' 26
8	JS	1 4' 62	4' 74	— 0' 12	...	...	...
December 8	G	...	...	...	16 18' 20	16' 80	+ 1' 40
9	G	1 10' 92	10' 90	+ 0' 02	16 17' 20	16' 90	+ 0' 30
10	G	1 10' 98	10' 96	+ 0' 02	16 17' 32	17' 00	+ 0' 32
11	G	1 10' 94	11' 01	— 0' 07	16 18' 13	17' 10	+ 1' 03
13	G	1 11' 04	11' 10	— 0' 06	16 17' 09	17' 30	— 0' 21
16	G	1 11' 21	11' 20	+ 0' 01	16 18' 50	17' 60	+ 0' 90
18	G	1 11' 34	11' 25	+ 0' 09	16 18' 58	17' 70	+ 0' 88
20	G	1 11' 38	11' 28	+ 0' 10	16 18' 99	17' 90	+ 1' 09
21	G	...	...	...	16 18' 58	18' 00	+ 0' 58
24	JS	1 11' 43	11' 28	+ 0' 15	16 19' 48	18' 10	+ 1' 38
28	G	1 11' 22	11' 21	+ 0' 01	16 19' 25	18' 20	+ 1' 05
29	G	1 11' 25	11' 18	+ 0' 07	16 20' 08	18' 20	+ 1' 88
30	G	1 11' 15	11' 14	+ 0' 01	16 19' 50	18' 20	+ 1' 30
31	G	1 11' 19	11' 10	+ 0' 09	16 20' 18	18' 20	+ 1' 98
1870.							
February 22	G	1 6' 04	5' 99	+ 0' 05	16 12' 91	11' 80	+ 1' 11
March 10	G	1 4' 96	4' 85	+ 0' 11	16 9' 12	7' 80	+ 1' 32
11	G	1 4' 86	4' 80	+ 0' 06	16 8' 28	7' 60	+ 0' 68
12	G	1 4' 86	4' 76	+ 0' 10	16 7' 95	7' 30	+ 0' 65
16	G	1 4' 63	4' 61	+ 0' 02	16 6' 57	6' 30	+ 0' 27
17	G	1 4' 60	4' 58	+ 0' 02	16 6' 69	6' 00	+ 0' 69
18	JS	1 4' 53	4' 55	— 0' 02	16 6' 47	5' 70	+ 0' 77
19	G	1 4' 56	4' 53	+ 0' 03	16 5' 42	5' 50	— 0' 08
21	JS	1 4' 48	4' 49	— 0' 01	16 3' 86	4' 90	— 1' 04
22	G	1 4' 52	4' 47	+ 0' 05	16 4' 79	4' 60	+ 0' 19

September 28. Very tremulous.

December 8, February 22. Very bad definition.

December 9, 10, 18, 30, 31, March 12. Diffused.

December 13, 21. Faint; cloudy.

December 20. Diffused and tremulous.

December 28, 29, March 10, 22. Diffused and unsteady.

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1870— <i>contd.</i>		m s	s	"	16'	"30	+ "
March 23	G	1 4'47	4'46	+ 0'01	16' 4'65	4'30	+ 0'35
25	G	...	...	...	16 3'27	3'80	— 0'53
26	G	1 4'37	4'44	— 0'07	16 2'73	3'50	— 0'77
29	G	...	...	...	16 3'10	2'70	+ 0'40
30	G	1 4'49	4'46	+ 0'03	...	...	...
31	G	1 4'47	4'47	0'00	16 2'65	2'10	+ 0'55
April 4	G	1 4'54	4'55	— 0'01	16 1'27	1'00	+ 0'27
June 10	G	1 8'81	8'81	0'00	15 48'06	47'10	+ 0'96
11	G	1 8'85	8'84	+ 0'01	15 47'89	47'00	+ 0'89
15	JS	1 8'90	8'93	— 0'03	15 46'32	46'70	— 0'38
16	G	1 8'80	8'94	— 0'14	15 46'30	46'60	— 0'30
17	G	1 8'94	8'95	— 0'01	15 46'72	46'50	+ 0'22
22	G	1 8'91	8'96	— 0'05	...	...	...
24	G	1 8'87	8'94	— 0'07	15 46'23	46'10	+ 0'13
28	JS	1 8'84	8'86	— 0'02	...	...	...
29	G	1 8'86	8'83	+ 0'03	...	...	...
30	G	1 8'79	8'80	— 0'01	...	...	...
July 1	G	1 8'77	8'77	0'00	...	...	...
August 6	G	1 6'12	6'20	— 0'08	...	...	...
September 7	G	1 4'20	4'19	+ 0'01	15 56'69	55'00	+ 1'69
8	G	1 4'23	4'16	+ 0'07	15 56'51	55'30	+ 1'21
9	G	1 4'11	4'14	— 0'03	15 56'64	55'50	+ 1'14
10	G	1 4'05	4'12	— 0'07	15 55'88	55'80	+ 0'08
12	JS	1 4'04	4'08	— 0'04	...	...	...
13	G	1 4'00	4'07	— 0'07	15 56'80	56'50	+ 0'30
17	G	1 4'05	4'05	0'00	15 58'86	57'60	+ 1'26
19	G	...	...	...	15 58'70	58'10	+ 0'60
21	G	1 4'10	4'07	+ 0'03	15 58'96	58'60	+ 0'36
22	G	1 4'08	4'08	0'00	15 59'50	58'90	+ 0'60
23	JS	1 4'02	4'10	— 0'08	15 59'77	59'10	+ 0'67

March 23, July 1. Very tremulous.
 March 26, June 16, 22, 24. Cloudy.
 September 8, 19. Bad definition.

March 25, June 29. Limbs boiling.
 March 29. Hurried observation.
 September 22. Diffused and tremulous.

426 *Semidiameters of Sun and Planets from Observations*

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1870— <i>contd.</i> September 26	JS	m s 1 4'15	s 4'17	s — 0'02	' " ... "	" ...	" ...
27	JS	1 4'20	4'20	0'00	15 59'95	60'20	— 0'25
28	G	1 4'16	4'23	— 0'07	16 0'75	0'50	+ 0'25
30	JS	1 4'25	4'31	— 0'06	16 1'12	1'10	+ 0'02
October 3	G	1 4'42	4'45	— 0'03	16 2'36	1'90	+ 0'46
4	G	1 4'46	4'50	— 0'04	16 2'92	2'20	+ 0'72
5	JS	1 4'48	4'55	— 0'07	16 3'13	2'50	+ 0'63
7	JS	1 4'62	4'67	— 0'05	16 3'36	3'00	+ 0'36
December 3	G	1 10'50	10'46	+ 0'04	...	...	...
7	G	1 10'70	10'76	— 0'06	16 17'42	16'70	+ 0'72
12	G	1 11'03	11'05	— 0'02	16 18'59	17'20	+ 1'39
14	G	1 11'06	11'13	— 0'07	16 16'75	17'40	— 0'65
16	JS	1 11'20	11'19	+ 0'01	16 18'57	17'50	+ 1'07
17	G	' ...	...	...	16 18'68	17'60	+ 1'08
19	G	1 11'22	11'26	— 0'04	16 19'09	17'70	+ 1'39
20	G	1 11'32	11'27	+ 0'05	16 18'67	17'80	+ 0'87
24	G	1 11'36	11'28	+ 0'08	...	...	...
29	G	1 11'23	11'19	+ 0'04	...	...	...
31	G	1 11'16	11'12	+ 0'04	...	...	...

SEMIDIAMETERS OF MARS.

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1866. November 26	G	m s ...	s ...	s ...	8''38	7''05	+ 1''33
1867. January 7	JS	...	...	...	9'50	8'70	+ 0'80

SUN.

September 26, December 14. Cloudy.
December 7, 20. Very tremulous.
December 17. Very bad definition.

October 5. Bad definition.
December 12, 24. Diffused.
December 19. Limbs boiling.

MARS.

November 26. Bad definition.

SEMIDIAMETERS OF JUPITER.

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1866.							
July 9	G	^s 1'72	^s 1'72	^s 0'00	24"55	22"30	+ 2"25
10	CF	1'72	1'72	0'00	...	...	..
12	G	...	...	...	23'85	22'40	+ 1'45
16	G	1'77	1'73	+ 0'04	24'13	22'40	+ 1'73
17	CF	1'77	1'73	+ 0'04	24'15	22'40	+ 1'75
27	CF	1'94	1'73	+ 0'21	25'01	22'40	+ 2'61
August 25	JS	1'71	1'67	+ 0'04	...	...	...
November 29	CF	1'06	1'26	- 0'20	...	...	...
1867.							
September 3	IF	...	...	...	25'54	23'10	+ 2'44
6	IF	...	...	...	27'00	23'00	+ 4'00
October 15	CF	...	...	...	19'97	21'30	- 1'33
29	CF	...	...	...	22'74	20'30	+ 2'44
1868.							
April 23	G	1'00	1'16	- 0'16	15'03	15'99	- 0'96
24	G	1'06	1'16	- 0'10	16'28	16'01	+ 0'27
26	G	1'08	1'16	- 0'08	16'75	16'10	+ 0'65
1870.							
July 13	G	1'11	1'18	- 0'07	14'99	15'85	- 0'86

SEMIDIAMETERS OF SATURN.

Date.	Observer.	Semidiameter from		Correction to N.A.	Semidiameter from		Correction to N.A.
		Observation.	N.A.		Observation.	N.A.	
1867.							
July 3	G	^s 0'67	^s 0'60	^s + 0'07	...	...	...
August 28	IF	...	...	...	6'78	7'40	- 0'62

JUPITER.

1866 July 9, 16, 1867 September 3. Diffused.
 1866 July 10, 1868 April 24. Cloudy.
 1866 July 27, 1867 October 29. Bad definition.
 1868 April 23. Faint; cloudy.
 1870 July 13. Extremely faint.

R.A. AND DEC. OF SUN.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s			
Mar. 7 0 11 14.8	G	23 10 59.02	58.89	+0.13	— 5 15 40.46	40.92	+0.46
8 0 11 0.0	G	...	...	...	— 4 52 18.94	19.73	+0.79
9 0 10 44.8	CF	23 18 21.92	21.86	+0.06	— 4 28 53.93	54.63	+0.70
10 0 10 29.3	G	23 22 2.98	2.83	+0.15	— 4 5 25.14	26.09	+0.95
12 0 9 57.2	G	23 29 23.74	23.83	—0.09	— 3 18 19.96	20.04	+0.08
13 0 9 40.8	G	23 33 3.94	3.90	+0.04	— 2 54 41.22	43.47	+2.25
16 0 8 50.0	G	...	...	...	— 1 43 42.50	43.38	+0.88
17 0 8 32.6	G	23 47 41.74	41.70	+0.04	— 1 19 59.64	61.30	+1.66
19 0 7 57.2	G	23 54 59.60	59.36	+0.24	— 0 32 35.88	36.30	+0.42
20 0 7 39.3	G	23 58 37.98	37.92	+0.06	— 0 8 52.80	54.18	+1.38
21 0 7 21.2	G	0 2 16.51	16.35	+0.16	+ 0 14 49.38	47.27	+2.11
22 0 7 3.0	G	0 5 54.80	54.67	+0.13	+ 0 38 28.72	27.55	+1.17
23 0 6 44.7	G	0 9 32.72	32.86	—0.14	+ 1 2 7.76	6.34	+1.42
24 0 6 26.3	G	0 13 11.08	10.96	+0.12	+ 1 25 45.40	43.33	+2.07
26 0 5 49.3	G	0 20 27.02	26.97	+0.05	+ 2 12 51.84	50.39	+1.45
27 0 5 30.8	G	0 24 5.02	4.92	+0.10	+ 2 36 21.53	19.66	+1.87
28 0 5 12.2	G	0 27 42.97	42.87	+0.10	+ 2 59 48.50	45.73	+2.77
29 0 4 53.7	G	0 31 20.86	20.84	+0.02	+ 3 23 10.37	8.22	+2.15
June 7 23 58 40.0	G	5 5 1.49	1.42	+0.07	+22 51 9.75	8.23	+1.52
8 23 58 51.4	G	5 9 9.46	9.49	—0.03	+22 56 23.33	21.56	+1.77
10 23 59 15.2	G	5 17 26.52	26.44	+0.08	+23 5 35.76	35.65	+0.11
16 0 0 18.0	G	5 38 12.23	12.20	+0.03	+23 21 34.42	33.26	+1.16
18 0 0 43.9	G	5 46 31.08	31.26	—0.18	+23 25 5.36	3.80	+1.56
19 0 0 56.9	G	5 50 40.79	40.83	—0.04	+23 26 11.75	11.97	—0.22
20 0 1 9.9	G	5 54 50.38	50.42	—0.04	+23 26 56.57	55.25	+1.32
22 0 1 35.8	G	6 3 9.65	9.53	+0.12	+23 27 7.96	7.42	+0.54
23 0 1 48.6	G	6 7 19.13	19.02	+0.11	+23 26 36.74	36.17	+0.57
25 0 2 14.2	CF	6 15 37.67	37.70	—0.03	+23 24 20.71	19.51	+1.20
26 0 2 26.8	CF	6 19 46.87	46.87	0.00	+23 22 36.68	34.17	+2.51
27 0 2 39.2	G	6 23 55.90	55.90	0.00	+23 20 25.74	24.13	+1.61
28 0 2 51.5	G	6 28 4.75	4.77	—0.02	+23 17 51.15	49.59	+1.56
29 0 3 3.6	G	6 32 13.47	13.44	+0.03	+23 14 50.77	50.46	+0.31
March 7, 24, 29, June 20, 27, 28. Diffused.							
March 12, 13, 20, 21, June 22, 25. Very diffused and tremulous.							
March 22, 23. Very bad definition.							
June 18. Very tremulous; cloudy.							
June 19. Limbs boiling.							
June 27, 28. Only second limb observed in R.A.							

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866—continued. d h m s		h m s	s	s			
July 4 0 4 0.6	G	6 52 53.47	53.42	+0.05	+22° 53' 50".53	49.46	+1.07
5 0 4 11.2	G	6 57 0.59	0.61	-0.02	+22 48 26.10	24.90	+1.20
Sept. 6 23 57 56.7	G	11 3 4.62	4.60	+0.02	+ 6 5 17.09	15.97	+1.12
9 23 56 55.6	G	11 13 52.95	52.95	0.00	+ 4 57 24.34	21.72	+2.62
12 23 55 53.2	CF	11 24 40.05	40.05	0.00	+ 3 48 42.50	41.83	+0.67
13 23 55 32.2	G	11 28 15.53	15.55	-0.02	+ 3 25 40.77	40.03	+0.74
14 23 55 11.2	G	11 31 51.08	50.98	+0.10	+ 3 2 35.88	34.52	+1.36
16 23 54 28.9	G	11 39 1.65	1.71	-0.06	+ 2 16 14.67	13.62	+1.05
17 23 54 7.7	G	11 42 37.09	37.04	+0.05	+ 1 52 60.74	57.94	+2.80
19 23 53 25.4	G	11 49 47.88	47.73	+0.15	+ 1 6 24.60	23.06	+1.54
20 23 53 4.4	G	11 53 23.27	23.15	+0.12	+ 0 43 3.90	2.43	+1.47
23 23 52 1.6	G	12 4 9.85	9.89	-0.04	- 0 27 5.08	6.33	+1.25
24 23 51 41.0	G	12 7 45.84	45.73	+0.11	- 0 50 29.69	30.52	+0.83
25 23 51 20.5	CF	...	...	...	- 1 13 53.02	54.63	+1.61
26 23 51 0.2	G	12 14 58.02	57.94	+0.08	- 1 37 17.33	18.65	+1.32
27 23 50 40.1	G	12 18 34.37	34.37	0.00	- 2 0 44.19	42.08	-2.11
28 23 50 20.3	G	12 22 11.10	11.05	+0.05	- 2 24 3.59	4.64	+1.05
30 23 49 41.5	G	...	...	...	- 3 10 44.51	45.65	+1.14
Oct. 1 23 49 22.5	G	...	...	...	- 3 34 1.65	3.32	+1.67
3 23 48 45.6	G	...	...	...	- 4 20 29.91	31.40	+1.49
Dec. 6 23 51 38.2	G	...	...	...	-22 37 33.43	34.52	+1.09
7 23 52 4.6	G	...	...	...	-22 44 4.97	5.58	+0.61
9 23 52 58.7	G	17 8 41.80	41.78	+0.02	-22 55 45.94	47.05	+1.11
10 23 53 26.4	G	17 13 6.16	6.08	+0.08	-23 0 57.04	57.16	+0.12
11 23 53 54.4	G	17 17 30.79	30.75	+0.04	-23 5 38.67	39.86	+1.19
12 23 54 22.7	CF	...	...	...	-23 9 55.32	54.99	-0.33
13 23 54 51.4	G	17 26 21.09	21.04	+0.05	-23 13 42.76	42.33	-0.43
14 23 55 20.3	G	17 30 46.48	46.60	-0.12	-23 17 0.74	1.94	+1.20
16 23 56 18.8	G	17 39 38.40	38.36	+0.04	-23 22 17.99	17.32	-0.67
18 23 57 18.0	G	17 48 30.87	30.83	+0.04	-23 25 38.81	40.02	+1.21
19 23 57 47.8	CF	17 52 56.94	57.22	-0.28	-23 26 39.03	38.97	-0.06
20 23 58 17.6	G	...	...	...	-23 27 10.82	9.72	-1.10

July 4, September 16, 26, October 1, December 10, 16. Diffused.
 September 9. Only South limb observed in Dec.
 September 12, 19, December 20. Very tremulous.
 September 13, 23, 24, 27, December 7, 9, 13, 14, 19. Diffused and tremulous.
 September 25, December 6. Cloudy.

430 *R.A. and Dec. of Sun and Planets from Observations*

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866—continued. d h m s		h m s	s	s			
Dec. 21 23 58 47.5	JS	...	...	...	—23° 27' 11".60	10".76	—0".84
23 23 59 47.4	G	18 10 43.31	43.31	0.00	—23 25 51.14	52.09	+0.95
27 0 1 16.6	G	18 24 2.36	2.51	—0.15	—23 20 20.92	19.93	—0.99
31 0 3 13.6	G	18 41 46.09	46.06	+0.03	—23 6 22.87	23.17	+0.30
.							
1867.							
Jan. 3 0 4 38.6	CF	...	...	...	—22 51 4.52	3.98	—0.54
4 0 5 6.3	G	...	...	...	—22 45 2.94	2.87	—0.07
Mar. 7 0 11 18.8	G	23 10 5.23	5.16	+0.07	— 5 21 19.74	20.11	+0.37
8 0 11 4.1	G	...	...	...	— 4 57 58.10	59.32	+1.22
13 0 9 45.6	G	...	...	...	— 3 0 24.56	25.64	+1.08
14 0 9 28.9	G	...	...	...	— 2 36 46.63	47.63	+1.00
15 0 9 11.9	CF	...	...	...	— 2 13 7.80	8.19	+0.39
16 0 8 54.7	G	23 43 9.78	9.64	+0.14	— 1 49 27.05	27.64	+0.59
18 0 8 19.5	CF	...	...	...	— 1 2 3.23	4.48	+1.25
19 0 8 1.7	G	23 54 6.19	6.15	+0.04	— 0 38 22.22	22.58	+0.36
20 0 7 43.6	G	...	...	...	— 0 14 40.27	40.96	+0.69
22 0 7 7.2	G	...	...	...	+ 0 32 41.57	40.26	+1.31
23 0 6 48.8	G	...	...	...	+ 0 56 20.52	19.12	+1.40
25 0 6 12.0	G	0 15 55.45	55.45	0.00	+ 1 43 32.76	31.72	+1.04
26 0 5 53.5	G	...	...	...	+ 2 7 6.59	4.74	+1.85
27 0 5 35.0	G	0 23 11.47	11.45	+0.02	+ 2 30 36.68	35.09	+1.59
28 0 5 16.5	G	0 26 49.59	49.52	+0.07	+ 2 54 3.90	2.45	+1.45
29 0 4 58.1	G	0 30 27.68	27.60	+0.08	+ 3 17 27.45	26.44	+1.01
30 0 4 39.7	G	...	...	...	+ 3 40 47.14	46.74	+0.40
Apr. 1 0 4 3.3	G	...	...	...	+ 4 27 16.69	14.90	+1.79
2 0 3 45.2	G	...	...	...	+ 4 50 22.62	21.96	+0.66
3 0 3 27.3	G	0 48 39.32	39.28	+0.04	+ 5 13 24.12	23.92	+0.20
June 6 23 58 28.7	G	4 59 55.96	55.93	+0.03	+22 44 10.15	8.09	+2.06
7 23 58 39.8	G	...	...	...	+22 49 52.60	51.32	+1.28
10 23 59 14.6	G	5 16 28.28	28.22	+0.06	+23 4 38.47	36.19	+2.28

December 21, January 4, March 7, 16, 19. Diffused.

December 27, 31, March 18, June 10. Very tremulous.

December 23, January 3, March 15, 16, 26, 28, April 3. Diffused and tremulous.

March 14, 23. Very diffused and unsteady.

March 20. Very faint; cloudy.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1867—continued. d h m s							
June 11 23 59 26.7	G	5 20 36.90	36.84	+0.06	+23° 8' 44".92	42".55	+2".37
15 0 0 4.0	G	...	...	...	+23 18 35.28	34.30	+0.98
17 0 0 29.1	G	5 41 22.31	22.23	+0.08	+23 23 8.70	5.73	+2.97
18 0 0 41.9	G	...	...	...	+23 24 46.49	44.34	+2.15
19 0 0 54.8	G	...	...	...	+23 25 59.84	58.24	+1.60
24 0 1 59.3	G	...	...	...	+23 25 58.19	55.34	+2.85
28 0 2 49.8	CF	6 27 5.40	5.45	-0.05	+23 18 29.77	27.40	+2.37
July 1 0 3 26.1	G	6 39 31.61	31.54	+0.07	+23 8 35.41	33.56	+1.85
2 0 3 37.8	G	...	...	...	+23 4 27.12	26.91	+0.21
3 0 3 49.2	G	6 47 47.69	47.76	-0.07	+22 59 57.01	56.14	+0.87
4 0 4 0.3	G	6 51 55.44	55.44	0.00	+22 55 2.04	1.37	+0.67
Sept. 10 23 56 40.4	G	...	...	...	+ 4 40 6.87	4.29	+2.58
12 23 55 58.5	G	...	...	...	+ 3 54 18.35	16.85	+1.50
13 23 55 37.3	G	...	...	...	+ 3 31 17.86	16.75	+1.11
15 23 54 54.9	G	...	...	...	+ 2 45 7.18	5.42	+1.76
16 23 54 33.7	G	...	...	...	+ 2 21 56.24	54.68	+1.56
18 23 53 51.2	G	...	...	...	+ 1 35 25.57	24.73	+0.84
19 23 53 30.1	CF	11 48 54.89	54.78	+0.11	+ 1 12 (12.51)	6.24	(+6.27)
20 23 53 9.1	JS	...	...	...	+ 0 48 46.60	45.73	+0.87
25 23 51 25.7	G	...	...	...	- 1 8 11.36	13.58	+2.22
26 23 51 5.5	G	...	...	...	- 1 31 37.57	38.41	+0.84
30 23 49 47.0	G	...	...	...	- 3 5 6.59	8.57	+1.98
Oct. 1 23 49 28.0	G	...	...	...	- 3 28 24.39	26.98	+2.59
Dec. 11 23 53 46.2	G	17 16 25.00	24.87	+0.13	-23 4 32.74	32.99	+0.25
12 23 54 14.3	G	...	...	...	-23 8 54.41	54.72	+0.31
15 23 55 40.6	CF	...	...	...	-23 19 10.48	13.40	+2.92
16 23 56 9.9	G	...	...	...	-23 21 43.59	43.84	+0.25
17 23 56 39.4	G	...	...	...	-23 23 43.43	46.18	+2.75
18 23 57 9.1	G	...	...	...	-23 25 19.01	20.32	+1.31
19 23 57 39.0	G	17 51 50.76	50.77	-0.01	-23 26 24.58	26.28	+1.70
20 23 58 8.9	G	...	...	...	-23 27 2.87	3.94	+1.07

June 11, September 30, October 1, December 18, 19, 20. Limbs boiling.
 June 15. Very faint; cloudy. June 18, September 12, 15. Very tremulous.
 June 28. Diffused. July 3, September 19. Diffused and unsteady.
 September 10. Only South limb observed. September 10, 13. Cloudy.
 September 16, December 16, 17. Very bad definition. September 20. Only
 North limb observed. December 11. Only second limb observed in R.A.

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Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
<i>1867—continued.</i>							
d h m s		h m s	s	s			
Dec. 22 23 59 9 ¹	G	18 5 10 ⁸ 2	10 ⁷ 77	+0 ⁰ 05	—23 26 53 ⁴ 45	54 ⁴ 44	+0 ⁰ 99
23 23 59 39 ²	G	18 9 37 ⁴ 44	37 ⁴ 48	—0 ⁰ 04	—23 26 6 ⁴ 49	7 ¹ 19	+0 ⁰ 70
27 0 1 9 ⁰	G	18 22 57 ² 24	57 ² 26	—0 ⁰ 02	—23 20 55 ⁵ 50	56 ¹ 18	+0 ⁰ 68
28 0 1 38 ⁷	G	...	...	...	—23 18 16 ³ 33	15 ⁹ 98	—0 ⁰ 35
30 0 2 37 ⁵	G	...	...	...	—23 11 31 ⁹ 91	31 ⁷ 75	—0 ⁰ 16
31 0 3 6 ⁵	G	...	...	...	—23 7 28 ¹ 11	27 ⁶ 68	—0 ⁰ 43
<i>1868.</i>							
Mar. 7 0 11 6 ⁹	G	...	...	...	— 5 3 46 ⁵ 54	46 ⁶ 62	+0 ⁰ 08
9 0 10 36 ⁴	G	23 20 14 ⁶ 65	14 ⁶ 65	0 ⁰ 00	— 4 16 55 ³ 34	57 ⁰ 09	+1 ¹ 75
10 0 10 20 ⁶	CF	...	...	...	— 3 53 30 ⁰ 08	27 ³ 34	—2 ² 74
11 0 10 4 ⁵	G	23 27 35 ⁸ 81	35 ⁷ 78	+0 ⁰ 03	— 3 29 53 ¹ 13	54 ⁷ 77	+1 ¹ 64
12 0 9 48 ¹	G	...	...	...	— 3 6 19 ⁰ 00	19 ⁶ 68	+0 ⁰ 68
13 0 9 31 ⁴	G	23 34 55 ⁷ 74	55 ⁷ 73	+0 ⁰ 01	— 2 42 40 ⁵ 59	42 ³ 39	+1 ¹ 80
17 0 8 22 ⁵	G	23 49 32 ⁹ 92	32 ⁸ 83	+0 ⁰ 09	— 1 7 56 ⁹ 96	59 ² 21	+2 ² 25
18 0 8 4 ⁸	G	23 53 11 ⁷ 70	11 ⁶ 63	+0 ⁰ 07	— 0 44 14 ⁸ 88	16 ⁷ 71	+1 ¹ 83
19 0 7 46 ⁹	G	...	...	...	— 0 20 33 ⁰ 07	34 ³ 30	+1 ¹ 23
20 0 7 29 ⁰	G	...	...	...	+ 0 3 9 ⁶ 65	7 ⁶ 63	+2 ² 02
21 0 7 10 ⁹	G	...	...	...	+ 0 26 50 ⁸ 85	48 ⁸ 88	+1 ¹ 97
23 0 6 34 ⁴	G	...	...	...	+ 1 14 8 ⁴ 49	7 ⁵ 54	+0 ⁰ 95
24 0 6 16 ¹	G	...	...	...	+ 1 37 46 ² 20	43 ⁰ 05	+3 ³ 15
28 0 5 2 ⁶	G	0 29 34 ⁶ 64	34 ⁵ 50	+0 ⁰ 14	+ 3 11 45 ³ 39	43 ⁷ 78	+1 ¹ 61
30 0 4 26 ⁰	CF	...	...	...	+ 3 58 23 ⁸ 82	22 ⁷ 70	+1 ¹ 12
31 0 4 7 ⁷	G	0 40 29 ¹ 15	29 ¹ 10	+0 ⁰ 05	+ 4 21 36 ¹ 16	35 ⁵ 54	+0 ⁰ 62
Apr. 1 0 3 49 ⁶	G	...	...	...	+ 4 44 45 ¹ 19	43 ⁶ 60	+1 ¹ 59
2 0 3 31 ⁵	G	0 47 45 ⁸ 83	45 ⁸ 87	—0 ⁰ 04	+ 5 7 48 ³ 34	46 ⁴ 47	+1 ¹ 87
3 0 3 13 ⁵	G	0 51 24 ⁴ 43	24 ⁴ 42	+0 ⁰ 01	+ 5 30 45 ⁵ 52	43 ⁷ 79	+1 ¹ 73
June 7 23 58 47 ⁴	G	5 7 10 ¹ 16	10 ¹ 14	+0 ⁰ 02	+22 53 55 ⁴ 44	54 ⁵ 57	+0 ⁰ 87
8 23 58 58 ⁹	G	5 11 18 ² 20	18 ² 22	—0 ⁰ 02	+22 58 57 ⁴ 46	55 ³ 32	+2 ² 14
9 23 59 10 ⁶	G	5 15 26 ⁵ 55	26 ⁵ 55	0 ⁰ 00	+23 3 32 ⁹ 93	31 ⁷ 76	+1 ¹ 17
10 23 59 22 ⁶	G	5 19 35 ¹ 16	35 ¹ 11	+0 ⁰ 05	+23 7 42 ⁸ 85	44 ⁰ 01	—1 ¹ 16
11 23 59 34 ⁸	G	...	...	...	+23 11 33 ⁰ 01	31 ⁷ 76	+1 ¹ 25
12 23 59 47 ²	G	5 27 52 ⁸ 86	52 ⁸ 88	—0 ⁰ 02	+23 14 56 ³ 31	55 ¹ 12	+1 ¹ 19

December 30, March 12, 30. Diffused and unsteady.

December 23, March 20. Limbs boiling.

March 24, 31. Very unsteady.

April 2. Only second limb observed in R.A.

June 8. Very bad definition.

June 11. Diffused.

Cape Mean Time of Transit of Centre.	Observer.	Observed R. A.	Seconds of Tabular R. A.	Correction to Tabular R. A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1868—continued. d h m s							
June 15 0 0 12.4	G	h m s	s	s	+23° 20' 29".60	27.95	+1".65
18 0 0 51.3	G	5 48 40.02	39.94	+0.08	+23 25 43.73	42.16	+1.57
19 0 1 4.3	G	5 52 49.84	49.60	+0.24	+23 26 40.07	37.37	+2.70
20 0 1 17.4	G	5 56 59.39	59.30	+0.09	+23 27 9.77	7.70	+2.07
22 0 1 43.6	G	...	...	...	+23 26 56.76	54.29	+2.47
23 0 1 56.6	G	...	...	...	+23 26 11.24	10.32	+0.92
24 0 2 9.5	OF	...	...	...	+23 25 3.35	1.69	+1.66
29 0 3 11.5	G	6 34 22.70	22.70	0.00	+23 13 9.79	8.10	+1.69
30 0 3 23.3	G	6 38 31.07	31.09	-0.02	+23 9 33.83	31.85	+1.98
July 2 0 3 46.1	G	6 46 47.13	47.07	+0.06	+23 1 7.86	6.44	+1.42
Sept. 6 23 57 46.0	G	...	...	...	+ 5 53 46.71	45.89	+0.82
7 23 57 25.6	G	...	...	...	+ 5 31 12.39	11.09	+1.30
8 23 57 5.1	G	...	...	...	+ 5 8 32.14	30.57	+1.57
9 23 56 44.4	G	...	...	...	+ 4 45 45.22	44.73	+0.49
10 23 56 23.6	G	...	...	...	+ 4 22 56.29	53.89	+2.40
11 23 56 2.7	CF	...	...	...	+ 3 59 59.13	58.24	+0.89
13 23 55 20.8	G	...	...	...	+ 3 13 56.17	54.44	+1.73
14 23 54 59.7	G	...	...	...	+ 2 50 46.99	46.92	+0.07
17 23 53 56.5	G	...	...	...	+ 1 41 6.63	5.95	+0.68
18 23 53 35.5	G	11 48 2.58	2.54	+0.04	+ 1 17 47.90	47.25	+0.65
20 23 52 53.6	G	11 55 13.69	13.61	+0.08	+ 0 31 5.46	4.61	+0.85
22 23 52 12.0	G	...	...	...	- 0 15 40.63	42.82	+2.19
23 23 51 51.3	G	12 6 0.97	0.87	+0.10	- 0 39 7.97	7.41	-0.56
24 23 51 30.8	G	...	...	...	- 1 2 29.92	32.11	+2.19
27 23 50 30.4	G	...	...	...	- 2 12 40.53	43.42	+2.89
28 23 50 10.7	G	...	...	...	- 2 36 4.32	5.19	+0.87
29 23 49 51.2	G	...	...	...	- 2 59 23.36	25.38	+2.02
30 23 49 32.0	G	12 31 17.04	17.01	+0.03	- 3 22 42.55	43.69	+1.14
Oct. 1 23 49 13.1	G	...	...	...	- 3 45 57.07	59.71	+2.64
2 23 48 54.5	JS	12 38 32.58	32.53	+0.05	- 4 9 11.43	13.16	+1.73
4 23 48 18.4	G	12 45 49.48	49.45	+0.03	- 4 55 30.00	30.90	+0.90

June 24. Only South limb observed.

September 6, 23, October 4. Very unsteady.

September 8, 9, 18. Diffused.

September 10, 11. Cloudy.

September 13, 20, 24, 27, October 1. Very bad definition.

September 18. Only second limb observed in R. A.

September 29. Limbs boiling.

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Cape Mean Time of Transit of Centre.	Observer.	Observed R. A.	Seconds of Tabular R. A.	Correction to Tabular R. A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1868—continued. d h m s		h m s	s	s			
Dec. 6 23 51 51.2	G	...	...	...	—22° 40' 56".80	59.08	+2".28
7 23 52 17.8	G	17 2 8.91	8.94	—0.03	—22 47 15.03	16.26	+1.23
9 23 53 12.2	G	17 10 56.77	56.67	+0.10	—22 58 27.64	29.84	+2.20
10 23 53 40.1	G	17 15 21.15	21.17	—0.02	...	...	...
11 23 54 8.3	G	17 19 45.93	46.05	—0.12	—23 7 52.44	54.37	+1.93
16 23 56 34.0	G	17 41 54.83	54.88	—0.05	—23 23 19.23	20.52	+1.29
17 23 57 3.7	G	17 46 21.28	21.23	+0.05	—23 25 0.84	1.76	+0.92
18 23 57 33.6	G	17 50 47.63	47.73	—0.10	—23 26 13.81	14.62	+0.81
20 23 58 33.5	G	17 59 41.02	40.93	+0.09	—23 27 14.07	15.63	+1.56
21 23 59 3.5	G	18 4 7.60	7.55	+0.05	—23 27 1.52	3.58	+2.06
22 23 59 33.4	G	18 8 34.13	34.18	—0.05	—23 26 21.77	23.13	+1.36
24 0 0 3.5	G	18 13 0.62	0.71	—0.09	—23 25 12.93	14.49	+1.56
28 0 2 1.8	G	18 30 45.70	45.72	—0.02	—23 15 56.10	57.38	+1.28
29 0 2 31.0	G	18 35 11.49	11.51	—0.02	—23 12 26.31	27.81	+1.50
30 0 2 59.9	G	18 39 37.17	37.07	+0.10	—23 8 28.62	30.44	+1.82
31 0 3 28.5	G	...	...	...	—23 4 3.90	5.25	+1.35
1869.							
Jan. 4 0 5 19.9	G	19 1 40.24	40.21	+0.03	—22 41 48.49	49.47	+0.98
Mar. 8 0 10 55.0	G	...	...	...	—4 46 7.34	8.90	+1.56
10 0 10 24.2	G	...	...	...	—3 59 10.97	12.95	+1.98
12 0 9 52.1	G	...	...	...	—3 12 4.42	5.01	+0.59
13 0 9 35.6	G	...	...	...	—2 48 26.80	27.61	+0.81
15 0 9 1.9	G	...	...	...	—2 1 6.46	7.95	+1.49
16 0 8 44.6	G	...	...	...	—1 37 24.79	26.19	+1.40
17 0 8 27.2	G	...	...	...	—1 13 42.83	43.81	+0.98
18 0 8 9.5	G	...	...	...	—0 49 59.87	61.31	+1.44
20 0 7 33.7	G	...	...	...	—0 2 35.57	36.77	+1.20
22 0 6 57.3	G	...	...	...	+0 44 45.01	44.27	+0.74
23 0 6 38.9	G	0 10 30.76	30.74	+0.02	+1 8 24.09	22.66	+1.43
24 0 6 20.5	G	0 14 8.74	8.80	—0.06	+1 31 60.38	59.07	+1.31
25 0 6 2.0	G	...	...	...	+1 55 34.44	33.09	+1.35
27 0 5 24.9	G	...	...	...	+2 42 33.68	32.91	+0.77

December 6, 9, 11, 16, January 4, March 10, 12. Very unsteady.

December 7. Bad definition.

December 10. Only second limb observed in R. A.

December 17, 21, 22, 30, March 15. Very bad definition.

December 24, March 8. Limbs boiling.

December 31, March 16. Cloudy.

March 22, 27. Faint; cloudy.

March 23. Very tremulous.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1869—continued. d h m s		h m s	s	s			
Mar. 30 0 4 29.3	G	...	...	...	+ 3 52' 36".94	37".18	-0".24
31 0 4 10.9	G	0 39 34.93	34.76	+0.17	+ 4 15 51.22	50.51	+0.71
Apr. 1 0 3 52.7	G	0 43 13.03	13.00	+0.03	+ 4 38 59.76	59.25	+0.51
2 0 3 34.6	G	0 46 51.46	51.40	+0.06	+ 5 2 47.73	3.10	+1.63
May 17 23 56 11.6	JS	3 40 48.76	48.65	+0.11	...	...	...
June 6 23 58 32.4	G	5 2 0.99	1.00	-0.01	+22 47 3.35	6.02	-2.67
7 23 58 43.7	G	5 6 8.91	8.91	0.00	+22 52 38.35	37.05	+1.30
8 23 58 55.3	G	5 10 17.09	17.11	-0.02	+22 57 44.77	43.97	+0.80
9 23 59 7.2	G	5 14 25.62	25.56	+0.06	+23 2 28.60	26.83	+1.77
10 23 59 19.3	G	5 18 34.22	34.23	-0.01	+23 6 47.05	45.39	+1.66
11 23 59 31.6	G	5 22 43.29	43.09	+0.20	+23 10 41.53	39.54	+1.99
13 23 59 56.6	G	...	...	...	+23 17 15.56	14.25	+1.31
15 0 0 9.3	G	...	...	...	+23 19 55.13	54.72	+0.41
16 0 0 22.1	G	5 39 20.02	20.00	+0.02	+23 22 10.92	10.40	+0.52
17 0 0 34.9	G	...	...	...	+23 24 3.38	1.27	+2.11
18 0 0 47.9	G	5 47 39.02	38.95	+0.07	+23 25 28.95	27.44	+1.51
19 0 1 0.8	G	...	...	...	+23 26 29.91	28.74	+1.17
25 0 2 17.7	G	...	...	...	+23 23 56.81	55.25	+1.56
July 2 0 3 41.9	G	6 45 45.28	45.27	+0.01	+23 2 17.54	15.23	+2.31
5 0 4 14.5	G	6 58 7.71	7.63	+0.08	+22 46 55.19	54.12	+1.07
Sept. 6 23 57 51.1	G	...	...	...	+ 5 59 16.87	15.36	+1.51
7 23 57 30.8	JS	11 7 39.03	38.90	+0.13	...	...	...
8 23 57 10.4	JS	11 11 15.04	14.94	+0.10	+ 5 14 2.15	1.51	+0.64
9 23 56 49.7	JS	...	...	...	+ 4 51 17.66	16.57	+1.09
12 23 55 47.1	G	...	...	...	+ 3 42 33.24	33.28	-0.04
14 23 55 4.9	G	11 32 48.46	48.47	-0.01	+ 2 56 24.63	24.25	+0.38
16 23 54 22.5	G	11 39 58.96	59.04	-0.08	+ 2 10 3.30	2.35	+0.95
17 23 54 1.3	G	11 43 34.37	34.31	+0.06	+ 1 46 46.93	47.27	-0.34
19 23 53 18.9	G	...	...	...	+ 1 0 12.08	10.67	+1.41
20 23 52 57.8	G	...	...	...	+ 0 36 50.70	49.74	+0.96

April 1, 2, June 13. Diffused and tremulous.

June 9. Very tremulous.

June 10, 15, September 6, 12. Faint; cloudy.

June 18, September 16. Only second limb observed in R.A.

June 25. Cloudy; unsatisfactory observation.

September 17, 19. Diffused.

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Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1869—continued. d h m s							
Sept. 26 23 50 54.1	G	h m s ...	...	...	— 1° 43' 31".15	32".45	+1".30
27 23 50 34.1	G	12 19 32.19	32.11	+0.08	— 2 6 54.30	55.89	+1.59
28 23 50 14.4	G	...	...	...	— 2 30 16.82	18.26	+1.44
29 23 49 55.0	G	...	...	...	— 2 53 37.71	39.46	+1.75
Oct.							
1 23 49 17.0	G	12 34 1.10	1.03	+0.07	— 3 40 14.99	16.24	+1.25
3 23 48 40.4	G	12 41 17.34	17.37	—0.03	— 4 26 42.09	43.32	+1.23
Dec.							
7 23 52 11.8	G	...	...	...	—22 45 48.32	50.46	+2.14
8 23 52 38.7	G	17 5 29.05	29.03	+0.02	—22 51 47.23	47.52	+0.29
9 23 53 6.1	G	...	...	...	—22 57 16.53	17.40	+0.87
10 23 53 33.8	G	...	...	...	—23 2 19.68	20.00	+0.32
12 23 54 30.2	G	...	...	...	—23 11 2.56	2.74	+0.18
15 23 55 57.0	G	17 36 23.66	23.68	—0.02	—23 20 37.18	38.24	+1.06
17 23 56 55.9	G	17 45 15.74	15.86	—0.12	—23 24 41.64	41.93	+0.29
19 23 57 55.3	G	17 54 8.54	8.60	—0.06	—23 26 52.00	52.83	+0.83
20 23 58 25.2	G	...	...	...	—23 27 12.93	15.88	+2.95
21 23 58 55.1	JS	18 3 1.64	1.65	—0.01	...	...	...
23 23 59 54.9	JS	...	...	...	—23 25 34.63	35.33	+0.70
28 0 1 53.9	G	18 29 40.28	40.25	+0.03	—23 16 44.17	45.72	+1.55
29 0 2 23.2	G	18 34 6.29	6.24	+0.05	—23 13 23.73	23.10	—0.63
30 0 2 52.4	G	18 38 32.05	32.06	—0.01	—23 9 32.26	32.49	+0.23
31 0 3 21.3	G	18 42 57.67	57.61	+0.06	—23 5 12.20	14.04	+1.84
1870.							
Feb. 22 0 13 42.6	G	22 22 17.95	18.03	—0.08	—10 10 14.18	15.97	+1.79
Mar.							
10 0 10 27.9	G	...	...	...	— 4 4 56.16	57.49	+1.33
11 0 10 12.0	G	...	...	...	— 3 41 24.69	25.82	+1.13
12 0 9 55.8	G	...	...	...	— 3 17 52.03	51.65	—0.38
16 0 8 47.9	G	23 44 6.62	6.72	—0.10	— 1 43 14.87	17.24	+2.37
17 0 8 30.4	G	23 47 45.74	45.65	+0.09	— 1 19 34.48	35.97	+1.49
18 0 8 12.6	JS	...	...	...	— 0 55 55.05	54.28	—0.77
19 0 7 54.7	G	...	...	...	— 0 32 12.22	12.57	+0.35
September 27. Very tremulous.							
December 7, February 22. Very bad definition.							
December 8, 9, 17, 30, 31, March 12. Diffused.							
December 12, 20. Faint; cloudy.							
December 21. Only second limb observed.							
December 19, 28, 29, March 10. Diffused and unsteady.							

Cape Mean Time of Transit of Centre.	Observer.	Observed R. A.	Seconds of Tabular R. A.	Correction to Tabular R. A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1870—continued. d h m s		h m s	s	s	+ ° 15' 8" 96	9" 50	—0" 54
Mar. 21 0 7 18.4	JS	...	...	...	+ 0 38 49.70	49.46	+0.24
22 0 7 0.1	G	...	...	...	+ 1 2 28.43	28.03	+0.40
23 0 6 41.8	G	...	...	...	+ 1 49 40.15	39.94	+0.21
25 0 6 5.0	G	...	...	...	+ 2 13 12.59	12.48	+0.11
26 0 5 46.5	G	...	...	...	+ 3 0 10.42	9.08	+1.34
28 0 5 9.7	G	...	...	...	+ 3 23 32.55	32.47	+0.08
29 0 4 51.3	G	...	...	...	+ 4 10 8.89	7.40	+1.49
31 0 4 14.7	G	0 38 41.19	41.10	+0.09	...	...	...
Apr. 4 0 3 2.9	G	0 53 15.31	15.24	+0.07	+ 5 42 20.45	19.78	+0.67
June 9 23 59 4.6	G	5 13 25.48	25.51	—0.03	+23 1 24.07	23.74	+0.33
10 23 59 16.5	G	5 17 33.92	33.96	—0.04	+23 5 47.80	47.69	+0.11
15 0 0 5.8	JS	...	...	...	+23 19 20.29	19.35	+0.94
16 0 0 18.5	G	...	...	...	+23 21 42.48	40.80	+1.68
17 0 0 31.3	G	5 42 28.32	28.30	+0.02	+23 23 39.10	37.56	+1.54
24 0 2 2.1	G	...	...	...	+23 25 44.33	41.37	+2.96
27 0 2 40.3	G	6 24 3.21	3.26	—0.05	...	...	...
29 0 3 5.1	G	6 32 21.22	21.23	—0.01	...	...	...
30 0 3 17.2	G	6 36 29.91	29.90	+0.01	...	...	...
July 1 0 3 29.0	G	6 40 38.49	38.34	+0.15	...	...	...
Aug. 6 0 5 39.7	G	9 4 45.31	45.40	—0.09	...	...	...
Sept. 6 23 57 57.4	G	...	...	...	+ 6 4 34.55	33.84	+0.71
7 23 57 37.0	G	11 6 47.64	47.70	—0.06	+ 5 42 3.95	2.02	+1.93
8 23 57 16.5	G	...	...	...	+ 5 19 25.78	24.50	+1.28
9 23 56 55.7	G	...	...	...	+ 4 56 41.93	41.56	+0.37
12 23 55 52.9	G	...	...	...	+ 3 48 4.30	3.81	+0.49
15 23 54 49.4	JS	11 35 31.96	32.04	—0.08	+ 2 38 47.01	48.76	—1.75
16 23 54 28.2	G	...	...	...	+ 2 15 37.71	36.92	+0.79
18 23 53 46.0	G	11 46 18.11	18.07	+0.04	+ 1 29 5.84	5.98	—0.14
20 23 53 3.9	G	11 53 29.16	29.03	+0.13	+ 0 42 25.44	24.37	+1.07
21 23 52 43.1	G	11 57 4.71	4.66	+0.05	+ 0 19 2.72	1.54	+1.18

March 22. Diffused and unsteady.

March 25, June 29. Limbs boiling.

March 28. Only North limb observed. Very faint; cloudy.

September 7, 18. Bad definition. September 15. Only South limb observed in Dec.

September 21. Diffused and tremulous.

March 23, July 1. Very tremulous.

March 26, June 16, 24. Cloudy.

March 29. Hurried

observation. June 27, September 15, 18. Only second limb observed in R. A.

438 *R.A. and Dec. of Sun and Planets from Observations*

Cape Mean Time of Transit of Centre.	Observer.	Observed R. A.	Seconds of Tabular R. A.	Correction to Tabular R. A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1870—continued. d h m s		h m s	s	s			
Sept. 22 23 52 22.3	JS	...	...	...	— 0° 4' 22".12	22".31	+0".19
26 23 51 0.7	JS	...	...	...	— 1 38 2.63	2.21	—0.42
27 23 50 40.7	G	...	...	...	— 2 1 25.05	26.45	+1.40
29 23 50 1.5	JS	...	...	...	— 2 48 10.81	11.44	+0.63
Oct. 2 23 49 4.7	G	12 36 47.90	47.73	+0.17	— 3 58 3.43	4.36	+0.93
3 23 48 46.3	G	12 40 25.88	25.86	+0.02	— 4 21 15.18	16.73	+1.55
4 23 48 28.2	JS	12 44 4.27	4.33	—0.06	— 4 44 25.51	25.71	+0.20
6 23 47 53.2	JS	...	...	...	— 5 30 32.90	32.70	—0.20
Dec. 6 23 51 38.7	G	16 55 38.19	38.23	—0.04	—22 37 49.59	50.93	+1.34
11 23 53 54.0	G	17 17 36.65	36.79	—0.14	—23 5 48.26	51.28	+3.02
13 23 54 50.9	G	17 26 26.89	26.91	—0.02	—23 13 50.76	52.12	+1.36
15 23 55 49.0	JS	...	...	...	—23 20 1.58	1.88	+0.30
16 23 56 18.4	G	17 39 44.24	44.34	—0.10	—23 22 22.52	24.72	+2.20
18 23 57 17.8	G	17 48 37.04	37.04	0.00	—23 25 44.69	46.23	+1.54
19 23 57 47.8	G	17 53 3.54	3.61	—0.07	—23 26 44.36	44.67	+0.31
23 23 59 48.1	G	18 10 50.31	50.49	—0.18	...	...	...
29 0 2 16.7	G	18 33 2.31	2.32	—0.01	...	...	...
31 0 3 14.6	G	18 41 53.65	53.57	+0.08	...	...	...

October 4. Bad definition.

December 11, 23. Diffused.

December 16. Very bad definition; only second limb observed in R.A.

December 18. Limbs boiling.

December 6, 19. Very tremulous.

December 13. Cloudy.

R.A. AND DEC. OF MOON.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s			
Jan. 1 12 39 47.8	G	7 25 18.79	18.69	+0.10	+16 57 12.63	10.74	+1.89
2 13 33 55.8	JS	8 23 32.24	32.29	-0.05	+14 27 46.38	46.42	-0.04
3 14 24 54.3	G	9 18 35.70	35.68	+0.02	+11 13 12.66	10.91	+1.75
4 15 12 54.2	JS	10 10 40.02	40.02	0.00	+7 29 40.68	39.45	+1.23
5 15 58 28.9	G	11 0 18.73	18.75	-0.02	+3 31 22.92	22.58	+0.34
22 4 54 18.1	G	1 1 20.28	20.18	+0.10	+6 21 36.32	33.86	+2.46
23 5 46 58.5	G	1 58 5.85	5.73	+0.12	+10 31 46.45	43.92	+2.53
25 7 36 53.0	JS	3 56 11.52	11.46	+0.06	+16 41 41.38	41.74	-0.36
26 8 33 45.3	G	4 57 9.77	9.58	+0.19	+18 14 11.85	11.03	+0.82
29 11 21 43.0	G	7 57 24.72	24.72	0.00	+15 43 18.19	17.26	+0.93
30 12 13 45.9	CF	...	...	...	+12 52 14.47	14.07	+0.40
Feb. 5 16 46 7.4	CF	13 50 18.27	18.24	+0.03	-9 51 62.11	58.75	-3.36
6 17 30 14.8	JS	14 38 29.53	29.57	-0.04	-12 56 20.96	20.37	-0.59
7 18 15 34.8	CF	15 27 53.53	53.66	-0.13	-15 27 9.80	11.07	+1.27
22 6 29 20.4	JS	4 38 51.38	51.21	+0.17	+17 41 29.45	26.87	+2.58
23 7 25 36.4	CF	5 39 13.20	13.13	+0.07	+18 24 46.70	49.47	-2.77
24 8 21 3.4	JS	6 38 45.78	45.93	-0.15	+17 57 48.70	47.44	+1.26
26 10 6 42.2	JS	...	...	...	+13 58 20.82	18.05	+2.77
Mar. 1 12 29 15.5	CF	11 7 21.41	21.49	-0.08	+3 12 49.62	44.69	+4.93
2 13 13 39.5	JS	11 55 49.35	49.44	-0.09	-0 47 38.90	38.45	-0.45
3 13 57 21.7	CF	12 43 35.27	35.59	-0.32	...	...	...
5 15 24 51.7	CF	14 19 12.71	12.86	-0.15	-11 36 29.46	26.11	-3.35
9 18 31 21.5	CF	17 41 59.38	59.43	-0.05	...	...	...
21 4 23 4.2	CF	4 18 41.38	41.35	+0.03	...	...	...
22 5 20 40.2	CF	5 20 23.35	23.41	-0.06	...	...	...
24 7 11 32.5	JS	7 19 26.93	26.98	-0.02	+16 53 64.44	58.65	+5.79
25 8 3 34.7	CF	8 15 34.29	34.41	-0.12	+14 44 6.38	3.64	+2.74
26 8 53 8.3	G	9 9 12.55	12.50	+0.05	+11 49 12.80	9.95	+2.85
27 9 40 27.1	JS	10 0 35.71	35.87	-0.16	+8 21 59.70	55.33	+4.37
28 10 25 58.7	CF	10 50 11.34	11.41	-0.07	+4 34 28.66	26.12	+2.54
29 11 10 14.8	JS	11 38 31.20	31.63	-0.43	...	...	...

January 3. Diffused and tremulous; very bad definition.

January 22. Very faint; sunshine.

January 29, March 28, 29. Very bad definition.

March 1. Worst possible definition.

March 5. Foggy; limb rugged and tremulous.

March 24. Bad definition.

January 23. Sunshine.

March 9. Bright sunshine.

March 27. Bad definition; diffused.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
<i>1866—continued.</i>							
d h m s		h m s	s	s	° ' " s	" s	" s
Mar. 30 11 53 50.3	G	12 26 10.43	10.59	-0.16	- 3 17 10.58	14.58	+4.00
31 12 37 16.5	CF	13 13 40.35	40.42	-0.07	- 7 1 25.12	31.35	+6.23
Apr. 1 13 21 1.8	JS	14 1 29.35	29.55	-0.20	-10 25 63.09	59.91	-3.18
5 16 25 2.1	G	17 21 46.15	46.34	-0.19	-18 12 18.36	19.24	+0.88
7 18 2 58.3	G	19 7 51.48	51.66	-0.18	...	...	...
20 5 5 25.0	CF	6 59 25.70	25.97	-0.27	...	...	...
21 5 59 33.6	JS	7 57 39.67	39.81	-0.14	+15 33 12.40	9.53	+2.87
22 6 50 35.8	G	8 52 46.79	46.89	-0.10	+12 49 15.69	11.57	+4.12
23 7 38 47.5	CF	9 45 3.02	3.16	-0.14	+ 9 29 46.33	44.07	+2.26
24 8 24 42.0	G	10 35 1.64	1.65	-0.01	+ 5 47 38.04	35.11	+2.93
28 11 18 49.4	JS	13 45 23.81	23.87	-0.06	- 9 20 49.58	53.89	+4.31
May 1 13 34 14.9	JS	...	...	...	-16 57 7.03	10.73	+3.70
5 16 47 19.0	G	19 42 23.32	23.33	-0.01	-16 13 41.31	44.18	+2.87
6 17 36 25.6	CF	20 35 34.53	35.06	-0.53	-13 50 36.72	38.43	+1.71
20 5 34 31.0	JS	9 26 53.11	53.41	-0.30	+10 52 43.80	40.41	+3.39
21 6 22 7.8	G	10 18 34.20	34.44	-0.24	+ 7 12 42.48	39.44	+3.04
22 7 7 25.6	CF	11 7 56.02	56.26	-0.24	+ 3 18 31.67	26.10	+5.57
23 7 51 13.2	G	11 55 47.42	47.65	-0.23	- 0 39 15.92	21.57	+5.65
24 8 34 18.0	CF	12 42 55.79	55.98	-0.19	- 4 31 39.25	43.31	+4.06
25 9 17 22.3	JS	13 30 3.70	3.87	-0.17	- 8 10 26.11	29.79	+3.68
26 10 1 1.5	JS	...	...	...	-11 27 41.00	46.33	+5.33
June 4 17 10 58.1	G	22 4 22.96	23.25	-0.29	- 8 24 25.08	27.88	+2.80
5 17 59 52.6	JS	22 57 22.03	22.62	-0.59	- 4 18 18.95	21.01	+2.06
8 20 34 50.1	JS	1 44 34.66	35.39	-0.73	...	...	...
21 7 15 6.5	G	13 13 54.91	55.12	-0.21	- 6 45 17.47	20.18	+2.71
22 7 58 34.0	CF	14 1 26.10	26.43	-0.33	-10 12 54.22	58.21	+3.99
23 8 42 47.0	G	14 49 42.95	43.17	-0.22	-13 13 42.69	45.80	+3.11
24 9 28 10.0	G	15 39 9.93	10.16	-0.23	-15 40 14.79	17.97	+3.18
25 10 14 54.5	CF	16 29 58.62	58.83	-0.21	-17 25 10.91	13.28	+2.37
28 12 41 30.2	CF	19 8 48.12	48.16	-0.04	-17 32 21.69	23.15	+1.46
29 13 31 5.2	JS	20 2 27.86	28.02	-0.16	-15 44 46.40	47.67	+1.27

March 31, April 23. Diffused and tremulous; cloudy.

April 1, 5, May 22, June 8. Bad definition.

May 5, June 24, 28. Tremulous.

May 23, 24. Very tremulous.

June 4, 21. Very diffused and tremulous.

June 22. Very bad definition; foggy.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866—continued. d h m s							
July 18 5 10 42.9	G	12 55 37.93	37.99	—0.06	— 5° 3' 28".90	31".03	+2".13
19 5 54 30.1	JS	13 43 28.89	29.03	—0.14	— 8 42 8.92	11.48	+2.56
20 6 38 34.5	CF	...	...	...	—11 55 51.19	53.20	+2.01
21 7 23 28.1	G	15 20 34.53	34.70	—0.17	—14 37 40.68	42.77	+2.09
22 8 9 33.7	G	16 10 44.32	44.38	—0.06	—16 40 47.42	50.09	+2.67
23 8 57 0.0	JS	17 2 14.92	15.14	—0.22	—17 58 34.39	36.35	+1.96
24 9 45 41.9	G	17 55 1.39	1.40	—0.01	—18 25 8.62	9.34	+0.72
26 11 25 27.3	JS	19 42 56.34	56.58	—0.24	—16 30 57.67	59.47	+1.80
27 12 15 38.0	CF	20 37 11.79	11.96	—0.17	—14 11 13.91	16.66	+2.75
28 13 5 33.5	G	21 31 12.04	12.48	—0.44	—11 3 14.05	15.75	+1.70
Aug. 19 6 49 51.2	G	16 41 12.26	12.33	—0.07	—17 22 3.51	4.96	+1.45
20 7 37 40.9	JS	...	...	...	—18 11 15.82	18.51	+2.69
21 8 26 36.4	CF	18 26 6.46	6.54	—0.08	—18 7 40.53	41.68	+1.15
22 9 16 22.7	CF	19 19 57.49	57.77	—0.28	—17 8 20.20	22.02	+1.82
23 10 6 40.5	G	20 14 20.04	20.10	—0.06	—15 13 10.92	9.81	—1.11
25 11 47 44.9	JS	22 3 34.15	34.44	—0.29	— 8 52 10.64	10.61	—0.03
29 15 13 44.4	CF	1 45 53.76	54.13	—0.37	+ 8 35 52.82	49.69	+3.13
Sept. 15 4 42 59.7	G	16 20 26.83	26.96	—0.13	...	...	...
16 5 29 56.9	G	17 11 28.28	28.25	+0.03	...	...	...
17 6 17 48.7	JS	18 3 24.48	24.53	—0.05	—18 10 10.16	12.43	+2.27
18 7 6 29.1	CF	18 56 9.39	9.59	—0.20	—17 36 22.88	22.50	—0.38
19 7 55 48.7	G	19 49 33.72	33.82	—0.10	—16 8 6.47	6.14	—0.33
20 8 45 38.3	JS	20 43 28.06	28.17	—0.11	—13 46 28.44	27.15	—1.29
21 9 35 53.9	G	21 37 48.48	48.53	—0.05	—10 35 28.97	29.30	+0.33
22 10 26 39.0	CF	22 32 38.39	38.56	—0.17	— 6 42 49.83	49.94	+0.11
23 11 18 5.7	CF	23 28 10.12	10.41	—0.29	— 2 20 2.37	0.89	—1.48
24 12 10 32.9	JS	0 24 42.53	42.68	—0.15	+ 2 17 32.74	31.10	+1.64
26 13 59 40.2	CF	2 22 0.79	1.15	—0.36	+11 0 19.66	17.73	+1.93
27 14 56 31.4	JS	3 22 57.91	58.29	—0.38	+14 25 18.24	13.64	+4.60
28 15 54 28.6	CF	4 25 1.18	1.45	—0.27	+16 49 23.58	20.28	+3.30
Oct. 17 6 35 26.5	JS	20 19 21.75	22.12	—0.37	—14 58 18.57	16.99	—1.58
20 9 3 44.5	JS	22 59 53.75	53.90	—0.15	— 4 37 46.47	47.52	+1.05

July 22, 28. Very diffused and unsteady.
 July 27, October 20. Very bad definition.
 August 21, 23, 29, September 22, 26, 28. Cloudy.
 August 25, September 18, 26, 27. Very tremulous.
 September 19. Diffused.

442 *R.A. and Dec. of Sun and Planets from Observations*

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866—continued.							
d h m s		h m s	s	"	° ' " "	" "	" "
Oct. 21 9 55 13 ²	JS	23 55 27 ⁴⁹	27 ⁷⁹	—0 ³⁰	— 0 6 57 ³⁶	57 ⁵⁹	+0 ²³
22 10 48 29 ⁵	G	0 52 49 ⁰⁶	49 ¹⁴	—0 ⁰⁸	+ 4 33 2 ⁶²	1 ²³	+1 ³⁹
23 11 43 55 ⁸	JS	1 52 21 ⁰⁸	21 ⁴⁷	—0 ³⁹	+ 9 2 10 ⁹⁷	10 ²⁶	+0 ⁷¹
24 12 41 39 ⁵	CF	2 54 10 ⁷⁶	11 ¹⁰	—0 ³⁴	+12 57 54 ³²	51 ⁸⁵	+2 ⁴⁷
26 14 41 51 ⁹	CF	5 2 (36 ⁰⁰)	35 ⁶⁵	(+0 ³⁵)	+17 46 14 ⁴²	9 ⁶⁷	+4 ⁷⁵
Nov. 13 4 29 38 ⁰	G	19 59 39 ⁴⁸	39 ⁵⁹	—0 ¹¹	...	...	...
14 5 17 8 ⁶	CF	20 51 14 ⁴⁶	14 ⁷⁷	—0 ³¹	...	...	...
16 6 52 48 ⁶	CF	22 35 3 ³⁴	3 ⁶⁰	—0 ²⁶	— 6 43 38 ⁹⁴	36 ⁵²	—2 ⁴²
17 7 41 52 ⁰	JS	23 28 11 ²⁸	11 ⁴⁵	—0 ¹⁷	— 2 29 59 ⁴³	59 ²⁶	—0 ¹⁷
18 8 32 34 ⁸	CF	0 22 59 ⁰⁴	59 ¹⁷	—0 ¹³	+ 2 1 39 ²⁸	38 ¹⁴	+1 ¹⁴
19 9 25 38 ⁶	G	1 20 8 ⁰⁹	8 ³¹	—0 ²²	+ 6 35 57 ²⁵	56 ⁶¹	+0 ⁶⁴
21 11 20 33 ⁹	G	3 23 15 ³⁹	15 ⁴¹	—0 ⁰²	+14 30 7 ³³	6 ⁴⁹	+0 ⁸⁴
22 12 21 58 ⁶	JS	4 28 46 ⁷⁵	46 ⁹⁹	—0 ²⁴	+17 3 58 ¹⁵	56 ⁶⁸	+1 ⁴⁷
24 14 26 17 ⁴	G	6 41 19 ⁰⁹	19 ³⁸	—0 ²⁹	+18 5 54 ⁰⁴	53 ⁹⁴	+0 ¹⁰
25 15 25 40 ³	CF	7 44 48 ²¹	48 ⁴⁵	—0 ²⁴	+16 34 62 ⁶⁶	59 ⁷⁸	+2 ⁸⁸
26 16 21 37 ²	G	8 44 50 ⁹⁴	51 ¹⁴	—0 ²⁰	+14 0 23 ³³	22 ⁷¹	+0 ⁶²
Dec. 14 5 35 24 ³	CF	23 7 49 ⁸³	50 ³⁶	—0 ⁵³	...	...	...
15 6 21 18 ⁹	G	...	...	...	— 0 8 8 ⁰⁸	9 ⁹⁰	+1 ⁸²
17 8 5 36 ⁰	CF	1 50 15 ⁹¹	16 ⁰⁸	—0 ¹⁷	+ 8 38 44 ⁶²	44 ⁶⁹	—0 ⁰⁷
19 9 59 50 ⁴	G	3 52 42 ²¹	42 ³³	—0 ¹²	+15 44 47 ⁹⁹	49 ²⁴	—1 ²⁵
20 11 1 22 ⁶	JS	4 58 21 ⁰³	21 ¹²	—0 ⁰⁹	+17 47 27 ³⁰	28 ⁰²	—0 ⁷²
21 12 4 13 ⁸	CF	6 5 19 ¹¹	19 ¹⁴	—0 ⁰³	+18 27 22 ³⁷	20 ⁷³	+1 ⁶⁴
22 13 6 26 ⁰	CF	7 11 38 ¹⁵	38 ¹⁵	0 ⁰⁰	+17 40 34 ¹⁴	31 ⁶¹	+2 ⁵³
23 14 6 11 ²	CF	8 15 29 ⁷²	29 ⁷⁹	—0 ⁰⁷	+15 35 58 ¹³	53 ³⁴	+4 ⁷⁹
24 15 2 26 ¹	G	9 15 50 ⁴⁰	50 ⁰⁵	+0 ³⁵	+12 31 12 ¹⁸	13 ⁴²	—1 ²⁴
28 18 15 59 ³	JS	...	...	...	— 3 31 32 ²⁶	31 ⁶²	—0 ⁶⁴
1867.							
Jan. 14 6 50 35 ⁵	JS	2 25 26 ⁶⁶	26 ⁶⁷	—0 ⁰¹	+10 49 8 ⁷¹	8 ³⁷	+0 ³⁴
15 7 45 28 ⁶	CF	3 24 25 ³⁶	25 ⁵⁵	—0 ¹⁹	+14 15 13 ⁶¹	15 ²⁶	—1 ⁶⁵
16 8 43 22 ⁵	G	4 26 25 ³⁵	25 ⁴⁴	—0 ⁰⁹	+16 48 43 ⁰⁸	43 ¹⁶	—0 ⁰⁸
17 9 43 41 ⁹	JS	5 30 51 ¹⁵	51 ¹⁷	—0 ⁰²	+18 12 14 ³¹	16 ¹¹	—1 ⁸⁰
<p>October 21, 24. Very bad definition. December 19. Very tremulous. November 16. Worst possible definition ; November 21. Tremulous. December 15. Very tremulous ; cloudy. bad definition. and tremulous.</p>							
<p>October 22, 26, November 26, October 23. Very diffused and unsteady. observation worthless. November 24. Bad definition. December 17. Diffused ; very December 23. Diffused January 15. Worst possible definition.</p>							

Cape Mean Time of Transit of Centre.	Observer.	Observed R. A.	Seconds of Tabular R. A.	Correction to Tabular R. A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1867—continued.							
d h m s		h m s	s	s			
Jan. 18 10 45 7.4	CF	6 36 23.36	23.67	-0.31	+18° 14' 40".54	36.66	+3".88
19 11 45 56.6	JS	7 41 19.05	19.37	-0.32	+16 54 41.41	41.56	-0.15
20 12 44 36.4	CF	8 44 5.08	5.13	-0.05	+14 22 35.91	34.55	+1.36
22 14 32 31.0	CF	10 40 10.56	10.76	-0.20	+ 6 55 54.54	54.07	+0.47
23 15 21 57.2	G	11 33 41.38	41.51	-0.13	+ 2 40 53.46	52.12	+1.34
24 16 9 9.2	JS	12 24 57.71	57.78	-0.07	- 1 33 25.43	24.64	-0.79
25 16 54 52.4	CF	13 14 44.97	45.17	-0.20	...	...	...
Feb. 12 6 35 10.0	IF	4 4 18.74	18.73	+0.01	+15 50 58.09	56.30	+1.79
13 7 32 28.2	CF	5 5 42.89	43.64	-0.75	+17 39 42.12	47.46	-5.34
14 8 31 15.8	IF	6 8 36.71	36.99	-0.28	+18 16 33.59	33.16	+0.43
15 9 30 21.8	JS	7 11 49.04	49.39	-0.35	+17 36 12.97	7.51	+5.46
16 10 28 30.5	G	8 14 3.76	3.93	-0.17	+15 41 59.05	53.40	+5.65
17 11 24 40.2	CF	...	...	...	+12 45 20.35	18.98	+1.37
21 14 45 44.4	JS	12 51 42.79	42.86	-0.07	- 3 36 19.78	21.16	+1.38
22 15 32 0.1	G	13 42 2.53	2.79	-0.26	- 7 31 2.99	3.55	+0.56
23 16 17 46.4	CF	14 31 52.91	53.10	-0.19	-10 58 41.74	41.06	-0.68
Mar. 13 6 25 16.8	CF	5 48 43.98	43.95	+0.03	...	...	...
14 7 23 0.0	JS	6 50 33.16	33.09	+0.07	+17 54 58.57	54.17	+4.40
15 8 19 52.7	CF	7 51 31.75	31.95	-0.20	+16 28 50.83	47.80	+3.03
16 9 15 7.5	G	8 50 52.23	52.19	+0.04	+13 59 21.67	17.58	+4.09
17 10 8 17.6	G	9 48 7.57	7.68	-0.11	+10 39 41.01	36.94	+4.07
18 10 59 20.7	JS	10 43 15.67	15.93	-0.26	+ 6 45 33.01	30.87	+2.14
21 13 23 8.7	JS	13 19 16.92	17.19	-0.27	- 5 46 33.79	32.61	-1.18
22 14 9 29.9	CF	14 9 42.28	42.31	-0.03	- 9 29 6.39	6.19	-0.20
Apr. 10 5 18 21.7	JS	6 32 1.32	1.41	-0.09	+18 10 46.47	43.43	+3.04
11 6 15 43.9	CF	7 33 29.45	29.88	-0.43	...	...	...
12 7 11 5.3	IF	8 32 56.58	56.93	-0.35	+14 54 42.33	40.68	+1.65
13 8 4 3.4	JS	9 29 59.86	60.13	-0.27	+11 51 32.53	29.12	+3.41
14 8 54 41.7	CF	10 24 43.09	43.39	-0.30	+ 8 10 45.99	41.69	+4.30
15 9 43 23.1	G	11 17 28.97	29.11	-0.14	+ 4 7 16.13	12.13	+4.00
16 10 30 38.6	JS	12 8 48.84	49.03	-0.19	- 0 4 51.27	54.06	+2.79
17 11 17 2.3	CF	12 59 16.65	16.91	-0.26	- 4 12 36.78	41.59	+4.81
January 18. Worst possible definition.							
January 20, February 14, 16, April 17. Diffused and tremulous.							
January 22, February 15, April 14. Diffused.							
February 12. Bad definition; limb tremulous.							
February 13. Worst possible definition.							
February 17. Cloudy; very bad definition.							
March 17. Very unsteady.							
March 21. Very bad definition; very diffused.							
April 12. Unsteady.							
April 15. Cloudy.							

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Cape Mean Time of Transit of Centre.	Observer.	Observed R. A.	Seconds of Tabular R. A.	Correction to Tabular R. A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
<i>1867—continued.</i>							
d h m s		h m s	s	s			
Apr. 23 15 56 52.9	JS	...	...	...	—18° 20' 42".12	44".79	+2".67
24 16 44 14.6	CF	18 54 58.64	58.71	—0.07	—17 59 46.12	54.40	+8.28
May 9 5 6 20.6	CF	8 14 18.32	18.57	—0.25	+15 53 21.01	19.41	+1.60
10 6 0 59.8	JS	9 13 3.03	3.21	—0.18	+13 2 16.34	14.10	+2.24
12 7 41 42.4	G	11 1 55.25	55.37	—0.12	+ 5 30 43.07	39.04	+4.03
13 8 28 50.8	JS	11 53 8.00	8.05	—0.05	+ 1 20 32.94	31.14	+1.80
15 10 0 11.0	IF	13 32 36.24	36.56	—0.32	— 6 45 53.73	54.94	+1.21
16 10 45 36.4	G	14 22 5.69	5.94	—0.25	—10 21 18.48	21.16	+2.68
17 11 31 26.2	CF	15 11 59.54	59.65	—0.11	—13 25 56.96	59.47	+2.51
22 15 26 50.7	CF	19 27 45.50	45.80	—0.30	—17 31 43.37	45.62	+2.25
June 10 7 13 45.2	G	12 28 13.64	13.90	—0.26	— 1 21 19.11	22.10	+2.99
11 7 59 13.1	B	13 17 45.52	45.41	+0.11	— 5 24 58.98	63.79	+4.81
12 8 44 17.8	CF	...	...	...	— 9 9 8.29	15.77	+7.48
17 12 36 31.4	CF	18 19 28.67	28.68	—0.01	—18 35 4.40	8.32	+3.92
19 14 10 58.7	B	20 2 4.66	4.71	—0.05	—16 39 28.31	33.21	+4.90
23 17 14 26.3	CF	23 21 48.58	48.89	—0.31	— 4 19 46.79	49.43	+2.64
24 18 0 53.1	JS	0 12 19.58	20.01	—0.43	— 0 8 17.67	18.10	+0.43
July 8 5 56 37.9	B	13 1 17.21	17.35	—0.14	— 3 50 5.27	9.67	+4.40
9 6 42 22.0	IF	13 51 5.39	5.40	—0.01	— 7 45 43.24	44.97	+1.73
10 7 27 46.2	G	14 40 33.59	33.71	—0.12	—11 14 33.62	37.12	+3.50
11 8 13 23.1	JS	...	...	...	—14 9 31.94	32.88	+0.94
15 11 21 8.6	CF	18 54 17.16	17.32	—0.16	—18 19 19.41	21.36	+1.95
19 14 27 31.5	B	...	...	...	— 9 29 22.23	22.72	+0.49
20 15 12 59.8	JS	23 6 29.24	29.65	—0.41	— 5 45 54.24	54.59	+0.35
21 15 58 42.0	JS	...	...	...	— 1 42 23.71	23.88	+0.17
Aug. 6 5 23 22.6	JS	14 22 16.61	16.80	—0.19	— 9 49 23.05	26.77	+3.72
7 6 9 32.6	G	15 12 30.76	30.97	—0.21	—13 0 45.11	48.49	+3.38
10 8 29 39.8	JS	17 44 50.63	50.79	—0.16	—18 17 49.99	51.52	+1.53
11 9 17 6.1	JS	18 36 21.24	21.37	—0.13	—18 24 51.26	52.36	+1.10
12 10 4 36.4	G	...	...	...	—17 39 49.97	52.01	+2.04
13 10 51 54.2	B	...	...	...	—16 4 16.19	18.75	+2.56

April 23, July 15. Worst possible definition.

April 24. Very diffused and tremulous; observation unsatisfactory.

May 12, July 10. Very diffused and tremulous.

May 15, Aug. 7. Very tremulous.

June 11, 17, 19. Very bad definition.

August 13. Very bad definition; cloudy.

May 17. Very diffused.

June 12, July 11. Cloudy.

at the Royal Observatory, Cape of Good Hope, 1866-70. 445

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1867—continued. d h m s		h m s	s	s			
Aug. 14 11 38 47 ^o	IF	21 10 15 ^o 07	15 ^o 33	—0 ^o 26	—13 42' 2 ^o 07	2 ^o 02	—0 ^o 05
15 12 25 11 ^o 6	JS	22 0 43 ^o 87	44 ^o 47	—0 ^o 60	—10 39 1 ^o 24	2 ^o 88	+1 ^o 64
17 13 57 20 ^o 0	G	23 41 0 ^o 53	0 ^o 95	—0 ^o 42	—3 3 59 ^o 92	61 ^o 28	+1 ^o 36
18 14 43 51 ^o 4	G	0 31 36 ^o 09	36 ^o 39	—0 ^o 30	+1 7 62 ^o 10	59 ^o 67	+2 ^o 43
21 17 12 17 ^o 2	OF	3 12 15 ^o 92	16 ^o 27	—0 ^o 35	+12 56 17 ^o 02	13 ^o 90	+3 ^o 12
23 19 3 21 ^o 4	IF	...	...	...	+17 42 36 ^o 66	36 ^o 86	—0 ^o 20
Sept. 5 5 36 36 ^o 0	JS	16 33 48 ^o 76	49 ^o 10	—0 ^o 34	—16 39 5 ^o 16	6 ^o 97	+1 ^o 81
6 6 23 52 ^o 2	IF	17 25 9 ^o 30	9 ^o 59	—0 ^o 29	—17 57 32 ^o 34	33 ^o 85	+1 ^o 51
7 7 11 17 ^o 2	G	18 16 38 ^o 59	38 ^o 73	—0 ^o 14	—18 24 57 ^o 36	59 ^o 55	+2 ^o 19
11 10 19 51 ^o 0	IF	21 41 29 ^o 59	29 ^o 98	—0 ^o 39	—11 52 18 ^o 42	20 ^o 03	+1 ^o 61
12 11 6 26 ^o 6	JS	22 32 9 ^o 35	9 ^o 64	—0 ^o 29	—8 26 43 ^o 75	44 ^o 63	+0 ^o 88
13 11 53 6 ^o 4	CF	23 22 53 ^o 42	53 ^o 60	—0 ^o 18	—4 32 20 ^o 13	24 ^o 09	+3 ^o 96
15 13 28 15 ^o 9	G	1 6 11 ^o 66	11 ^o 96	—0 ^o 30	+3 58 25 ^o 74	25 ^o 45	+0 ^o 29
16 14 17 44 ^o 6	JS	1 59 45 ^o 02	45 ^o 65	—0 ^o 63	+8 8 26 ^o 51	26 ^o 45	+0 ^o 06
17 15 9 7 ^o 3	IF	2 55 12 ^o 69	13 ^o 16	—0 ^o 47	+11 54 53 ^o 22	52 ^o 68	+0 ^o 54
18 16 2 39 ^o 8	B	3 52 50 ^o 59	50 ^o 78	—0 ^o 19	+15 1 63 ^o 16	55 ^o 27	+7 ^o 89
19 16 58 18 ^o 7	G	4 52 35 ^o 12	35 ^o 47	—0 ^o 35	+17 14 36 ^o 45	30 ^o 51	+5 ^o 94
20 17 55 36 ^o 4	CF	5 53 58 ^o 81	58 ^o 97	—0 ^o 16	+18 20 18 ^o 55	15 ^o 42	+3 ^o 13
Oct. 7 7 25 39 ^o 1	JS	20 29 19 ^o 43	19 ^o 70	—0 ^o 27	—15 41 48 ^o 76	49 ^o 51	+0 ^o 75
8 8 12 10 ^o 5	IF	21 19 55 ^o 04	55 ^o 33	—0 ^o 29	—13 12 3 ^o 95	5 ^o 49	+1 ^o 54
9 8 58 33 ^o 2	G	22 10 21 ^o 87	22 ^o 18	—0 ^o 31	—10 1 52 ^o 86	52 ^o 29	—0 ^o 57
10 9 45 6 ^o 1	B	...	...	...	—6 18 2 ^o 89	0 ^o 43	—2 ^o 46
13 12 10 18 ^o 4	G	1 38 24 ^o 81	25 ^o 26	—0 ^o 45	+6 34 10 ^o 21	7 ^o 68	+2 ^o 53
14 13 2 12 ^o 6	JS	2 34 24 ^o 06	24 ^o 70	—0 ^o 64	+10 38 33 ^o 69	32 ^o 01	+1 ^o 68
16 14 52 44 ^o 4	B	4 33 7 ^o 17	7 ^o 62	—0 ^o 45	+16 44 55 ^o 05	51 ^o 36	+3 ^o 69
Nov. 4 6 4 45 ^o 3	JS	20 58 35 ^o 78	35 ^o 61	+0 ^o 17	—14 32 10 ^o 28	12 ^o 05	+1 ^o 77
9 9 58 6 ^o 4	G	1 12 18 ^o 04	18 ^o 30	—0 ^o 26	+4 26 14 ^o 66	14 ^o 52	+0 ^o 14
12 12 40 25 ^o 1	JS	4 6 53 ^o 07	53 ^o 54	—0 ^o 47	+15 50 43 ^o 55	44 ^o 83	—1 ^o 28
13 13 39 45 ^o 7	CF	5 10 20 ^o 00	19 ^o 91	+0 ^o 09	+17 56 34 ^o 95	31 ^o 79	+3 ^o 16
14 14 40 14 ^o 8	IF	6 14 55 ^o 55	56 ^o 29	—0 ^o 74	+18 44 18 ^o 57	20 ^o 22	—1 ^o 65
15 15 40 22 ^o 0	JS	7 19 9 ^o 15	9 ^o 60	—0 ^o 45	+18 9 56 ^o 20	54 ^o 00	+2 ^o 20
16 16 38 41 ^o 8	IF	...	...	...	+16 19 10 ^o 86	8 ^o 96	+1 ^o 90
17 17 34 22 ^o 3	IF	...	...	...	+13 25 37 ^o 68	33 ^o 09	+4 ^o 59
<p>August 17. Very diffused and tremulous. August 18, 21, 23, September 11, 18, 19, October 10, November 13. Very bad definition. September 7, 15. Very tremulous. September 13, 20. Cloudy. September 17, October 8. Tremulous and unsteady. October 9. Diffused. October 16. Worst possible definition. November 14. Bad definition. November 16. Very bad definition; daylight. November 17. Very faint; daylight.</p>							

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Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1867—continued. d h m s							
Dec. 2 4 44 51.2	JS	21 28 52.12	52.30	—0.18	—13° 9' 1".73	3'.09	+1".36
3 5 29 39.6	CF	22 17 44.44	44.60	—0.16	— 9 58 27.58	29.57	+1.99
5 6 59 38.6	B	...	...	...	— 2 13 37.41	37.92	+0.51
6 7 46 14.4	IF	0 46 31.38	31.56	—0.18	+ 2 4 45.36	43.16	+2.20
7 8 35 0.6	JS	1 39 22.11	22.36	—0.25	+ 6 26 13.90	12.31	+1.59
8 9 26 44.7	JS	2 35 11.27	11.41	—0.14	+10 35 60.14	58.33	+1.81
9 10 21 59.2	G	3 34 31.41	31.58	—0.17	+14 15 8.40	9.21	—0.81
10 11 20 45.2	CF	4 37 23.63	23.81	—0.18	+17 2 10.96	8.42	+2.54
11 12 22 14.6	IF	5 42 59.66	60.32	—0.66	+18 36 34.19	32.24	+1.95
1868.							
Jan. 4 7 14 2.4	IF	...	...	...	+ 8 27 25.97	21.24	+4.73
5 8 5 35.0	IF	...	...	...	+12 18 38.81	36.59	+2.22
6 9 0 51.6	B	4 3 34.05	34.24	—0.19	+15 33 9.04	7.15	+1.89
7 9 59 54.5	JS	5 6 43.20	43.22	—0.02	+17 50 18.59	18.05	+0.54
8 11 1 53.4	G	6 12 48.89	48.73	+0.16	+18 50 55.17	52.71	+2.46
9 12 5 5.8	IF	7 20 8.22	8.80	—0.58	+18 23 9.52	6.60	+2.92
10 13 7 29.8	CF	8 26 39.03	39.15	—0.12	...	...	...
12 15 3 53.9	G	10 31 15.32	15.58	—0.26	+ 9 19 57.18	49.26	+7.92
14 16 47 30.4	CF	12 23 2.00	2.34	—0.34	+ 0 16 57.94	55.87	+2.07
16 18 23 10.4	JS	14 6 50.82	51.37	—0.55	— 8 14 34.41	35.56	+1.15
31 5 8 36.0	CF	1 49 14.22	14.34	—0.12	+ 6 47 3.63	2.61	+1.02
Feb. 1 5 57 6.5	JS	2 41 49.22	49.31	—0.09	+10 40 10.13	8.85	+1.28
2 6 48 37.0	JS	3 37 24.75	24.72	+0.03	+14 5 23.57	23.09	+0.48
3 7 43 34.6	G	4 36 27.99	28.02	—0.03	+16 46 9.54	9.82	—0.28
4 8 41 55.3	CF	5 38 54.76	54.76	0.00	+18 24 44.00	43.65	+0.35
5 9 42 49.6	IF	6 43 55.62	55.66	—0.04	+18 45 39.49	36.81	+2.68
6 10 44 46.8	B	7 49 59.62	60.19	—0.57	+17 40 48.03	44.76	+3.27
7 11 46 3.4	JS	8 55 22.80	22.97	—0.17	+15 13 32.58	29.97	+2.61
9 13 41 36.2	JS	10 59 7.75	8.09	—0.34	+ 7 18 49.65	46.70	+2.95
12 16 15 55.2	G	13 45 41.72	42.27	—0.55	— 6 28 21.12	21.94	+0.82
27 3 6 57.9	CF	1 33 43.08	43.05	+0.03	...	...	...

December 3. Very bad definition.

December 8, 11, January 4, 12. Cloudy; very bad definition.

December 9. Bad definition.

January 6. Worst possible definition.

January 31. Very faint and tremulous; very bad definition.

February 2, 12. Cloudy.

December 6. Diffused.

December 10. Very tremulous.

January 14. Very diffused.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1868—continued. d h m s							
Mar. 2 6 31 32.7	IF	5 14 37.76	38.03	—0.27	+17° 53' 44".77	45.46	—0.69
4 8 28 24.2	B	7 19 41.51	41.79	—0.28	+18 20 19.68	17.34	+2.34
5 9 27 58.5	JS	8 23 22.20	22.36	—0.16	+16 35 4.31	2.38	+1.93
6 10 26 40.4	IF	9 26 10.29	10.62	—0.33	+13 36 60.16	56.49	+3.67
8 12 18 35.4	G	11 26 16.77	16.97	—0.20	+ 5 9 7.97	3.70	+4.27
9 13 11 34.7	B	12 23 21.31	21.56	—0.25	+ 0 22 13.46	14.12	—0.66
10 14 2 58.5	JS	13 18 51.06	51.48	—0.42	— 4 18 31.35	32.08	+0.73
11 14 53 16.9	IF	14 13 13.27	14.04	—0.77	— 8 36 9.19	11.91	+2.72
12 15 42 52.0	G	15 6 53.12	53.51	—0.39	—12 17 44.97	46.65	+1.68
15 18 9 21.7	IF	17 45 36.56	37.19	—0.63	—18 31 3.31	8.22	+4.91
31 6 20 57.5	JS	6 58 20.73	20.82	—0.09	+18 44 6.87	3.56	+3.31
Apr.							
1 7 18 44.1	IF	8 0 13.46	13.87	—0.41	+17 28 12.74	11.77	+0.97
2 8 15 49.7	B	9 1 25.00	25.26	—0.26	+15 0 36.74	31.95	+4.79
3 9 11 33.8	CF	10 1 14.72	14.79	—0.07	+11 32 21.51	11.84	+9.67
4 10 5 40.7	JS	10 59 27.07	27.24	—0.17	+ 7 19 23.05	19.22	+3.83
6 11 49 44.4	IF	12 51 40.95	41.56	—0.61	— 2 3 52.47	54.58	+2.11
7 12 40 27.4	CF	13 46 27.84	28.73	—0.89	— 6 36 23.87	23.56	—0.31
8 13 30 45.4	JS	14 40 51.67	52.12	—0.45	—10 40 41.24	41.70	+0.46
11 16 0 32.6	G	17 22 53.16	53.68	—0.52	—18 15 51.52	55.36	+3.84
28 5 14 22.4	IF	...	...	...	+18 10 49.44	49.02	+0.42
9 6 11 20.3	B	...	...	...	+16 4 37.50	32.80	+4.70
30 7 6 33.4	CF	9 42 20.72	20.96	—0.24	+12 55 54.03	50.78	+3.25
May							
1 7 59 50.8	JS	10 39 43.51	43.59	—0.08	+ 8 59 49.32	45.05	+4.27
2 8 51 25.8	G	11 35 23.47	23.70	—0.23	+ 4 33 13.20	10.16	+3.04
4 10 31 29.7	JS	13 23 36.94	37.15	—0.21	— 4 42 48.63	51.79	+3.16
7 13 0 46.5	CF	16 5 7.94	8.23	—0.29	—15 42 52.55	55.98	+3.43
10 15 30 8.6	IF	...	...	...	—19 7 54.74	54.11	—0.63
12 17 5 22.1	CF	...	...	...	—16 44 51.53	53.44	+1.91
13 17 51 5.4	IF	21 19 53.81	54.63	—0.82	—14 22 27.11	27.52	+0.41
14 18 35 49.7	JS	22 8 42.01	42.62	—0.61	—11 21 19.11	19.41	+0.30
28 5 57 13.6	JS	10 23 13.16	13.27	—0.11	+10 27 46.45	44.56	+1.89

March 2, 6, 12. Very unsteady.

March 4, April 11, May 2, 7. Very bad definition.

March 15, May 10. Cloudy.

April 2. Tremulous.

April 29, May 13. Diffused and tremulous.

April 1. Bad definition.†

April 6. Limbs boiling.

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Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1868—continued. d h m s		h m s	s	s			
June 1 9 16 25.8	CF	...	...	...	— 7 26 51.90	55.55	+3.65
2 10 5 0.4	B	14 51 23.37	23.89	—0.52	—11 22 31.63	39.30	+7.67
3 10 54 3.1	IF	15 44 30.72	31.34	—0.62	—14 39 50.54	51.21	+0.67
5 12 33 25.6	JS	...	...	...	—18 43 5.37	6.92	+1.55
7 14 11 55.1	G	19 18 41.46	41.84	—0.38	—18 57 4.23	5.72	+1.49
8 14 59 38.3	B	20 10 29.03	29.29	—0.26	—17 40 52.56	55.75	+3.19
9 15 45 58.0	IF	21 0 52.88	53.64	—0.76	—15 36 26.38	27.22	+0.84
10 16 30 59.1	G	21 49 57.93	58.36	—0.43	—12 50 43.08	44.20	+1.12
11 17 14 59.1	JS	22 38 1.79	2.35	—0.56	— 9 31 8.74	10.11	+1.37
12 17 58 30.8	CF	23 25 37.15	37.38	—0.23	— 5 45 3.57	7.34	+3.77
28 7 14 48.4	G	13 43 13.95	14.17	—0.22	— 5 59 11.14	15.55	+4.41
30 8 51 6.2	G	15 27 40.67	40.96	—0.29	—13 34 31.75	34.07	+2.32
July 1 9 39 46.5	CF	16 20 25.51	26.03	—0.52	—16 20 28.20	30.26	+2.06
6 13 42 6.1	B	20 43 7.68	8.30	—0.62	—16 33 13.20	15.96	+2.76
7 14 27 37.8	G	21 32 43.49	43.96	—0.47	—14 3 0.10	1.16	+1.06
8 15 11 54.0	JS	22 21 3.44	4.03	—0.59	—10 56 18.88	17.67	—1.21
9 15 55 16.6	G	23 8 29.78	30.13	—0.35	— 7 21 3.64	5.67	+2.03
25 5 11 21.5	IF	...	...	...	— 4 21 56.08	58.24	+2.16
26 6 0 21.6	IF	14 18 58.46	58.73	—0.27	— 8 41 3.78	4.97	+1.19
27 6 48 55.4	G	15 11 36.79	37.07	—0.28	—12 25 53.51	57.76	+4.25
28 7 37 29.1	CF	16 4 15.02	15.72	—0.70	—15 27 38.29	43.37	+5.08
31 9 59 57.1	IF	...	...	...	—19 17 33.19	38.11	+4.92
Aug. 9 16 48 7.2	G	2 3 42.25	42.65	—0.40	+ 7 26 34.68	34.03	+0.65
24 5 33 2.2	JS	15 45 54.64	55.04	—0.40	—14 27 21.29	24.19	+2.90
25 6 22 30.6	G	16 39 27.77	28.14	—0.37	—16 59 25.37	27.43	+2.06
27 8 0 43.1	JS	18 25 49.48	49.73	—0.25	—19 15 48.31	49.22	+0.91
28 8 49 1.8	CF	19 18 12.68	12.97	—0.29	—18 58 38.81	42.49	+3.68
29 9 36 26.5	G	20 9 41.73	42.05	—0.32	—17 47 45.64	44.37	—1.27
30 10 22 45.2	G	21 0 4.60	4.93	—0.33	—15 47 47.23	47.20	—0.03
Sept. 1 11 52 3.4	G	22 37 30.55	30.97	—0.42	— 9 48 8.11	8.83	+0.72
2 12 35 27.8	IF	23 24 58.65	60.04	—0.39	— 6 4 33.45	34.29	+0.84
7 16 20 35.5	IF	...	...	...	+13 36 5.14	6.15	—1.01
<p>June 1, 30, September 7. Cloudy. June 2, 3, 11, July 9. Very bad definition. June 9. Very bad definition; diffused and unsteady. June 12, July 6. Worst possible definition. July 31. Very diffused and unsteady. September 1. Very faint; cloudy. September 2. Very bad definition; cloudy.</p>							

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1868—continued. d h m s		h m s	s	s			
Sept. 9 18 5 26.5	CF	...	...	...	+18° 25' 47".70	45".76	+1".94
23 5 55 14.8	IF	18 6 27.50	27.87	-0.37	-19 11 5.32	6.28	+0.96
24 6 44 23.3	G	18 59 40.56	40.80	-0.24	-19 16 34.03	36.38	+2.35
25 7 32 24.3	JS	19 51 46.08	46.46	-0.38	-18 23 29.48	28.01	-1.47
27 9 4 42.0	G	21 32 11.97	12.19	-0.22	-14 9 57.47	55.72	-1.75
30 11 16 18.8	JS	23 56 0.10	0.37	-0.27	-3 26 42.72	43.15	+0.43
Oct. 1 11 59 58.5	IF	0 43 43.52	43.81	-0.29	+0 44 24.72	25.99	-1.27
2 12 44 27.1	CF	1 32 15.99	16.33	-0.34	+4 57 37.56	35.03	+2.53
7 16 56 0.2	IF	6 4 13.10	13.74	-0.64	+19 18 47.80	44.78	+3.02
22 5 25 52.8	IF	19 31 20.70	21.10	-0.40	-19 3 30.70	33.97	+3.27
26 8 28 26.5	JS	22 50 10.60	11.19	-0.59	-9 1 0.59	0.13	-0.46
30 11 25 27.3	CF	2 3 26.62	27.12	-0.50	+7 34 37.22	36.70	+0.52
Nov. 2 13 56 31.1	JS	4 46 44.93	45.30	-0.37	+17 38 8.58	5.83	+2.75
4 15 48 23.1	G	6 46 48.46	48.62	-0.16	+19 41 38.94	40.29	-1.35
5 16 45 31.6	CF	...	...	...	+18 50 9.31	10.61	-1.30
6 17 42 4.0	IF	8 48 41.07	41.56	-0.49	+16 43 62.64	59.63	+3.01
23 7 6 9.7	JS	23 18 3.83	4.13	-0.30	-7 1 36.55	37.79	+1.24
24 7 49 6.4	CF	0 5 4.08	4.41	-0.33	-2 57 47.01	48.09	+1.08
25 8 32 34.8	IF	0 52 36.15	36.41	-0.26	+1 18 19.56	16.71	+2.85
26 9 17 22.5	G	1 41 27.78	28.18	-0.40	+5 37 12.50	12.60	-0.10
27 10 4 16.6	IF	...	...	...	+9 47 28.49	27.25	+1.24
28 10 53 54.8	JS	3 26 9.13	9.41	-0.28	+13 34 46.19	46.37	-0.18
30 12 42 22.2	CF	5 22 47.44	47.72	-0.28	+18 53 5.50	1.62	+3.88
Dec. 1 13 40 17.0	JS	6 24 48.24	48.77	-0.53	+19 51 17.39	18.60	-1.21
2 14 39 6.2	IF	7 27 43.73	44.14	-0.41	+19 28 37.19	36.27	+0.92
4 16 33 56.8	CF	9 30 46.26	46.60	-0.34	+14 50 40.87	41.97	-1.10
7 19 11 19.4	JS	12 20 24.36	24.98	-0.62	+1 42 39.56	37.25	+2.31
24 7 54 9.4	JS	...	...	...	+7 41 29.70	28.58	+1.12
25 8 41 36.9	CF	2 59 56.49	56.56	-0.07	+11 40 28.66	27.96	+0.70
27 10 26 40.7	CF	4 53 10.67	11.03	-0.36	+17 54 43.16	45.76	-2.60
28 11 24 23.3	G	5 54 59.34	59.43	-0.09	+19 34 1.00	1.09	-0.09
29 12 24 23.9	JS	6 59 6.34	6.70	-0.36	+19 53 11.71	12.85	-1.14

September 9, November 5. Cloudy.

September 27, October 1, November 4, 25. Very bad definition.

October 2. Worst possible definition.

October 22. Bright sunlight; very bad definition.

November 25, 27. Bad definition.

November 26. Very unsteady.

September 23. Unsteady.

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Cape Mean Time of Transit of Centre.	Observer.	Observed R. A.	Seconds of Tabular R. A.	Correction to Tabular R. A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1869. d h m s		h m s	s	s			
Jan. 1 15 21 58.2	JS	...	...	...	+12° 37' 58".76	57.51	+1".25
22 7 19 45.0	CF	3 28 14.74	15.03	-0.29	+13 28 13.08	13.05	+0.03
23 8 10 50.2	G	4 23 24.91	24.87	+0.04	+16 33 40.22	39.82	+0.40
24 9 5 40.3	G	5 22 20.55	20.65	-0.10	+18 47 11.35	12.70	-1.35
25 10 3 57.6	JS	6 24 43.96	44.03	-0.07	+19 51 16.64	14.34	+2.30
26 11 4 35.6	IF	7 29 28.49	28.90	-0.41	+19 31 45.71	44.01	+1.70
28 13 6 10.1	CF	9 39 16.07	16.23	-0.16	+14 34 32.88	23.06	+9.82
30 14 59 46.2	G	11 41 3.98	4.35	-0.37	+ 5 30 16.48	16.40	+0.08
31 15 53 1.0	G	12 38 24.04	24.51	-0.47	+ 0 23 57.97	56.29	+1.68
Feb. 2 17 35 14.7	CF	14 28 47.69	48.17	-0.48	- 9 10 28.39	32.20	+3.81
19 6 1 3.0	IF	...	...	...	+15 21 13.94	12.33	+1.61
20 6 52 21.5	JS	4 55 6.81	6.86	-0.05	+17 54 42.81	42.39	+0.42
25 11 44 16.2	G	10 7 32.28	32.48	-0.20	+12 46 62.14	59.71	+2.43
26 12 42 9.0	IF	11 9 31.12	31.62	-0.50	+ 8 8 31.71	28.38	+3.33
27 13 38 9.6	JS	12 9 37.44	37.77	-0.33	+ 2 57 44.45	43.66	+0.79
Mar. 1 15 25 40.5	G	14 5 19.13	19.62	-0.49	- 7 19 8.47	11.18	+2.71
2 16 18 7.2	JS	15 1 50.94	51.48	-0.54	-11 43 18.05	19.12	+1.07
3 17 10 10.4	IF	...	...	...	-15 17 57.60	61.54	+3.94
19 4 46 21.3	IF	4 35 12.85	13.46	-0.61	+17 15 11.73	8.26	+3.47
20 5 38 23.1	JS	5 31 19.69	19.86	-0.17	...	...	...
21 6 33 4.1	G	6 30 6.30	6.61	-0.31	+20 2 8.42	6.51	+1.91
22 7 29 50.2	IF	7 30 58.25	58.53	-0.28	+19 38 34.76	33.99	+0.77
23 8 27 45.2	G	8 32 59.29	59.44	-0.15	+17 54 58.55	55.29	+3.26
24 9 25 47.9	JS	...	...	...	+14 53 37.45	34.11	+3.34
27 12 14 51.7	IF	12 36 29.30	29.60	-0.30	+ 0 29 20.67	18.57	+2.10
28 13 9 29.6	G	...	...	...	- 4 49 45.85	49.73	+3.88
29 14 3 44.4	JS	...	...	...	- 9 44 3.62	4.91	+1.29
31 15 51 41.0	IF	16 29 40.49	41.03	-0.54	-17 4 52.08	54.79	+2.71
Apr. 1 16 45 4.0	JS	17 27 8.74	9.38	-0.64	-19 9 24.92	28.40	+3.48
19 6 19 22.7	JS	8 10 42.61	42.81	-0.20	+18.55 7.70	5.70	+2.00
21 8 11 1.8	IF	10 10 33.14	33.35	-0.21	+12 49 16.39	15.22	+1.17
22 9 5 45.3	JS	11 9 22.23	22.36	-0.13	+ 8 18 42.37	40.50	+1.87

January 1. Faint.

January 22, 26, 28, February 2, 19, March 19, 22. Very bad definition.

January 30. Bad definition.

March 21. Very diffused and tremulous.

March 27. Very unsteady.

March 28. Unsatisfactory observation.

March 29. Limb boiling.

March 31. Diffused.

April 21. Cloudy.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1869—continued. d h m s							
Apr. 23 9 59 47 ³	IF	h m s 12 7 29 ⁶⁸	s 30 ¹⁶	s —0 ⁴⁸	+ 3 12 35 ²³	31 ⁴²	+3 ⁸¹
26 12 41 44 ¹	JS	15 1 42 ⁷⁶	43 ¹⁸	—0 ⁴²	—11 57 53 ⁷⁸	57 ⁰⁰	+3 ²²
27 13 36 33 ⁹	IF	16 0 38 ¹²	38 ⁷⁰	—0 ⁵⁸	—15 46 28 ⁶¹	33 ¹⁶	+4 ⁵⁵
28 14 31 33 ⁵	JS	16 59 43 ²⁸	43 ⁸⁴	—0 ⁵⁶	—18 30 19 ⁴⁵	22 ⁹⁸	+3 ⁵³
29 15 26 3 ⁸	JS	...	...	...	—20 2 14 ⁰⁶	15 ⁹²	+1 ⁸⁶
30 16 19 15 ⁹	IF	18 55 36 ⁵⁰	36 ⁸³	—0 ³³	—20 21 50 ⁰⁶	51 ⁸⁷	+1 ⁸¹
May 1 17 10 31 ²	JS	19 50 56 ⁷³	57 ¹⁴	—0 ⁴¹	—19 34 23 ⁶⁰	25 ⁵⁰	+1 ⁹⁰
2 17 59 27 ³	JS	20 43 57 ⁴³	58 ⁰²	—0 ⁵⁹	—17 48 34 ¹⁴	35 ⁵⁵	+1 ⁴¹
19 6 59 39 ⁰	IF	10 49 22 ¹⁷	22 ⁴⁵	—0 ²⁸	+10 10 40 ⁴⁹	37 ⁸²	+2 ⁶⁷
20 7 52 8 ⁶	JS	...	...	...	+ 5 21 50 ⁶¹	48 ⁶⁹	+1 ⁹²
26 13 12 11 ³	IF	17 30 31 ⁵⁶	32 ⁰⁹	—0 ⁵³	—19 35 33 ¹⁷	35 ³¹	+2 ¹⁴
27 14 6 49 ³	JS	18 29 15 ¹²	15 ⁵⁰	—0 ³⁸	—20 32 2 ⁶⁸	3 ⁴²	+0 ⁷⁴
28 15 0 0 ⁶	IF	19 26 31 ⁷⁶	32 ⁴⁵	—0 ⁶⁹	—20 15 56 ⁰⁶	57 ⁰³	+0 ⁹⁷
30 16 39 27 ⁶	JS	21 14 8 ¹⁹	8 ⁵⁹	—0 ⁴⁰	—16 37 49 ⁵³	49 ⁸⁶	+0 ³³
31 17 25 27 ¹	IF	22 4 11 ⁷⁵	12 ⁰²	—0 ²⁷	—13 37 30 ³⁵	29 ⁹⁸	—0 ³⁷
June 1 18 9 24 ³	JS	22 52 12 ⁷³	13 ¹²	—0 ³⁹	—10 4 0 ⁷³	0 ⁴⁷	—0 ²⁶
16 5 49 22 ³	IF	11 29 17 ⁵⁶	17 ⁷⁶	—0 ²⁰	+ 7 3 39 ¹²	37 ²⁸	+1 ⁸⁴
18 7 31 21 ⁴	IF	13 19 26 ⁴⁸	26 ⁷³	—0 ²⁵	— 3 6 42 ⁹³	45 ⁴⁰	+2 ⁴⁷
22 11 0 58 ¹	IF	17 5 23 ⁸⁹	24 ⁵³	—0 ⁶⁴	—18 48 42 ³⁸	43 ⁵¹	+1 ¹³
24 12 49 7 ⁶	JS	...	...	...	—20 36 14 ⁴⁶	13 ¹⁰	—1 ³⁶
30 17 29 23 ⁹	G	0 6 25 ⁹⁰	26 ⁰⁸	—0 ¹⁸	— 3 47 56 ²⁰	57 ¹⁹	+0 ⁹⁹
July 15 5 29 2 ³	G	13 3 14 ³³	14 ⁶⁴	—0 ³¹	— 1 28 14 ⁵²	18 ⁸⁴	+4 ³²
16 6 19 45 ³	IF	13 58 2 ²⁴	2 ⁴²	—0 ¹⁸	— 6 29 46 ⁹⁸	50 ⁴⁵	+3 ⁴⁷
17 7 10 40 ¹	JS	14 53 1 ⁹⁶	2 ²⁵	—0 ²⁹	—11 4 56 ⁹²	59 ³⁸	+2 ⁴⁶
18 8 2 18 ⁸	JS	15 48 45 ⁷¹	46 ⁰³	—0 ³²	—14 58 34 ⁹²	36 ⁰⁵	+1 ¹³
19 8 54 52 ⁰	G	16 45 24 ¹²	24 ⁴⁴	—0 ³²	—17 57 37 ³⁹	40 ³⁰	+2 ⁹¹
20 9 48 4 ⁶	IF	...	...	...	—19 52 19 ⁰⁹	19 ⁴⁸	+0 ³⁹
21 10 41 16 ¹	JS	18 39 58 ⁷⁶	59 ¹⁸	—0 ⁴²	—20 37 8 ⁸⁸	9 ²⁴	+0 ³⁶
23 12 24 13 ⁵	IF	20 31 6 ¹⁹	6 ⁷⁶	—0 ⁵⁷	—18 42 59 ⁹¹	60 ⁵⁶	+0 ⁶⁵
24 13 12 40 ³	JS	21 23 37 ⁵⁷	38 ⁰⁶	—0 ⁴⁹	—16 18 50 ⁴⁴	49 ⁶¹	—0 ⁸³
28 16 7 7 ⁵	JS	0 34 19 ⁵⁸	20 ³⁰	—0 ⁷²	...	...	...

April 23, July 16. Very unsteady.

April 27, 28. Very diffused and tremulous.

April 29, June 24. Very faint; cloudy.

May 26, July 15. Very diffused.

June 18. Very tremulous.

June 30. Bad definition; diffused and tremulous.

May 19. Cloudy.

May 28, July 23. Very bad definition.

June 22. Limb boiling and diffused.

July 20. Barely visible.

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Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1869—continued. d h m s							
Aug. 14 5 59 11.8	G	15 31 45.50	45.95	—0.45	—13° 52' 56".01	60.20	+4.19
15 6 51 34.8	G	16 28 13.63	14.09	—0.46	—17 10 13.95	16.05	+2.10
16 7 44 19.0	IF	17 25 3.07	3.80	—0.73	—19 24 37.76	39.48	+1.72
17 8 37 0.9	G	18 21 50.16	50.55	—0.39	—20 30 49.10	50.77	+1.67
18 9 29 0.7	IF	19 17 55.06	55.58	—0.52	—20 28 3.45	4.52	+1.07
20 11 8 22.2	IF	21 5 26.02	26.37	—0.35	—17 14 36.66	37.49	+0.83
23 13 22 38.8	JS	23 31 54.29	54.68	—0.39	—6 56 28.59	28.09	—0.50
24 14 4 33.6	IF	...	...	...	—2 45 37.10	34.57	—2.53
25 14 46 2.0	G	1 3 24.34	24.62	—0.28	+1 31 24.99	23.49	+1.50
27 16 10 38.6	IF	2 36 7.93	8.59	—0.66	+9 47 44.99	45.57	—0.58
29 17 42 30.4	JS	4 16 7.96	8.41	—0.45	+16 36 54.34	52.34	+2.00
Sept. 13 6 33 14.8	JS	18 4 10.68	11.11	—0.43	—20 24 49.96	50.93	+0.97
14 7 25 46.5	IF	19 0 47.57	48.50	—0.93	—20 42 34.91	35.70	+0.79
15 8 16 47.5	G	19 55 53.51	53.97	—0.46	—19 53 13.74	10.94	—2.80
16 9 5 50.9	JS	20 49 1.52	1.88	—0.36	—18 3 60.74	59.78	—0.96
17 9 52 46.4	IF	21 40 2.28	2.56	—0.28	—15 24 29.01	29.20	+0.19
18 10 37 43.9	G	22 29 2.67	3.00	—0.33	—12 5 0.84	0.56	—0.28
20 12 3 7.7	IF	0 2 33.58	34.07	—0.49	—4 7 41.66	38.87	—2.79
24 14 52 28.2	JS	3 8 8.13	8.54	—0.41	+12 26 57.18	56.71	+0.47
27 17 17 25.2	G	5 45 18.61	18.80	—0.19	...	...	...
Oct. 12 6 12 23.1	JS	19 37 35.53	35.94	—0.41	—20 30 9.53	8.60	—0.93
13 7 2 44.3	IF	20 32 1.53	2.19	—0.66	—18 57 47.18	45.20	—1.98
14 7 50 35.7	G	21 23 57.37	57.85	—0.48	—16 31 18.93	17.27	—1.66
15 8 36 6.8	IF	22 13 32.56	33.31	—0.75	—13 21 40.65	40.94	+0.29
16 9 19 44.0	G	23 1 13.39	13.79	—0.40	—9 39 27.22	26.82	—0.40
18 10 43 35.3	JS	...	...	...	—1 16 4.75	4.41	—0.34
19 11 25 8.9	G	...	...	...	+3 6 17.08	20.27	—3.19
20 12 7 21.3	JS	2 5 4.52	4.92	—0.40	+7 23 8.60	9.49	—0.89
23 14 23 44.7	JS	4 33 39.94	40.36	—0.42	+17 53 41.67	39.95	+1.72
24 15 13 39.1	G	5 27 39.10	39.34	—0.24	+19 58 36.33	34.49	+1.84
25 16 5 43.3	IF	...	...	...	+21 1 52.93	54.90	—1.97
Nov. 10 5 45 36.4	JS	...	...	...	—17 47 28.08	29.39	+1.31
11 6 32 39.4	G	21 56 11.76	12.06	—0.30	—14 49 6.86	5.86	—1.00

August 16. Very unsteady. August 18. Diffused and tremulous. August 20. Cloudy.
 August 24, October 13. Tremulous. August 25, October 25. Very
 bad definition. September 14, 17. Diffused. September 15. Unsteady.
 September 16, October 16. Bad definition. September 20. Limb boiling.
 September 24. Limb boiling; cloudy. October 14. Diffused; very
 bad definition. October 15. Very diffused and tremulous; bad definition.
 October 19. Very faint, cloudy; bad definition.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1869—continued.							
d h m s		h m s	s	s	° ' " "	" "	" "
Nov. 12 7 17 13.2	IF	22 44 49.52	49.91	—0.39	—11 14 24.22	24.04	—0.18
13 7 59 57.2	G	23 31 37.08	37.42	—0.34	— 7 13 58.38	58.97	+0.59
14 8 41 36.7	JS	0 17 19.98	20.33	—0.35	— 2 57 13.69	13.25	—0.44
15 9 22 59.8	G	...	...	...	+ 1 27 6.49	6.96	—0.47
16 10 4 52.2	IF	1 48 42.25	42.64	—0.39	+ 5 50 5.78	4.87	+0.91
17 10 47 59.2	JS	2 35 52.89	53.34	—0.45	+10 1 51.26	53.25	—1.99
19 12 20 18.3	IF	...	...	...	+17 6 26.08	25.39	+0.69
20 13 10 6.9	JS	5 10 13.56	13.87	—0.31	+19 33 31.11	39.91	—8.80
22 14 55 54.1	IF	7 4 11.30	11.69	—0.39	+21 17 51.62	52.48	—0.86
23 15 50 19.7	JS	8 2 42.35	42.82	—0.47	+20 19 59.88	61.55	—1.67
Dec. 11 6 37 59.4	G	23 59 49.35	49.69	—0.34	— 4 51 4.89	5.47	+0.58
12 7 19 21.5	JS	0 45 14.84	15.10	—0.26	— 0 27 22.40	22.73	+0.33
15 9 27 10.0	JS	3 5 13.97	14.32	—0.35	+12 18 18.04	15.81	+2.23
17 11 2 54.2	IF	4 49 6.99	7.66	—0.67	+18 43 2.13	2.99	—0.86
18 11 54 58.9	G	5 45 16.79	17.01	—0.22	+20 38 28.49	27.21	+1.28
19 12 49 17.8	JS	6 43 41.19	41.56	—0.37	+21 25 3.52	1.28	+2.24
21 14 40 22.0	JS	8 42 56.76	57.16	—0.40	+19 5 35.46	34.27	+1.19
22 15 34 53.4	G	9 41 33.71	33.95	—0.24	+16 4 32.94	33.21	—0.27
23 16 27 53.6	IF	10 38 39.16	39.69	—0.53	+12 3 45.79	42.19	+3.60
1870.							
Jan. 11 7 20 9.7	G	2 44 19.84	20.01	—0.17	+10 31 34.87	35.93	—1.06
12 8 5 0.2	IF	3 33 14.31	14.43	—0.12	+14 17 31.88	32.02	—0.14
13 8 52 34.7	G	4 24 53.12	53.29	—0.17	+17 28 53.67	54.48	—0.81
14 9 43 15.1	IF	5 19 38.44	39.09	—0.65	+19 51 59.92	59.27	+0.65
15 10 36 55.7	G	6 17 24.43	24.55	—0.12	+21 12 21.82	18.36	+3.46
Feb. 9 6 43 1.7	JS	4 1 25.88	26.05	—0.17	+16 10 56.76	55.92	+0.84
10 7 31 19.1	G	4 53 47.81	48.19	—0.38	+18 54 42.21	45.46	—3.25
11 8 22 41.6	IF	5 49 15.23	15.50	—0.27	+20 44 21.05	24.09	—3.04
12 9 16 56.3	JS	6 47 35.42	35.68	—0.26	+21 26 30.52	28.33	—2.19
13 10 13 17.6	G	7 48 2.59	2.75	—0.16	+20 50 8.27	6.33	+1.94
14 11 10 34.9	IF	...	...	...	+18 50 34.64	31.95	+2.69
November 12, February 11. Diffused. November 15. Very bad definition; cloudy. November 16. Tremulous. November 19, January 13, February 14. Cloudy. November 20. Worst possible definition; observations of little value. November 22, December 23, February 13. Diffused and tremulous. December 17, 22, January 14, February 10. Very bad definition. January 11. Very unsteady. January 12. Diffused and tremulous; cloudy. February 12. Bad definition.							

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Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1870—continued. d h m s							
Feb. 15 12 7 34.9	JS	9 50 31.70	31.82	—0.12	+15 31 52.90	50.08	+2.82
16 13 3 26.8	G	10 50 29.34	29.65	—0.31	+11 7 16.63	12.23	+4.40
17 13 57 54.1	IF	11 49 2.18	2.56	—0.38	+ 5 56 42.91	40.77	+2.14
18 14 51 11.7	JS	...	...	...	+ 0 23 48.84	45.06	+3.78
21 17 29 55.5	G	15 37 24.65	25.25	—0.60	—14 41 5.49	9.29	+3.80
Mar. 11 7 3 47.4	IF	6 20 31.58	31.86	—0.28	...	...	...
12 7 57 47.4	JS	...	...	...	+21 26 35.18	34.77	+0.41
14 9 49 44.6	IF	9 18 45.72	46.07	—0.35	+17 29 32.04	30.37	+1.67
15 10 45 55.6	JS	10 19 2.48	2.73	—0.25	+13 35 60.85	58.05	+2.80
16 11 41 28.6	G	11 18 41.15	41.39	—0.24	+ 8 41 57.01	53.41	+3.60
18 13 30 53.6	IF	13 16 17.21	17.63	—0.42	— 2 39 25.13	29.39	+4.26
20 15 20 48.4	JS	15 14 23.20	23.79	—0.59	—13 13 2.14	3.81	+1.67
21 16 16 44.5	IF	16 14 25.09	25.95	—0.86	—17 13 16.52	15.05	—1.47
Apr. 9 6 41 46.0	G	7 52 46.65	47.08	—0.43	+21 6 11.58	9.51	+2.07
11 8 30 31.5	IF	9 49 43.12	43.45	—0.33	+15 49 43.96	41.01	+2.95
12 9 24 51.4	G	10 48 8.43	8.68	—0.25	+11 27 44.30	40.52	+3.78
13 10 19 0.9	JS	...	...	...	+ 6 13 43.08	40.16	+2.92
14 11 13 18.2	IF	12 44 46.18	46.53	—0.35	+ 0 28 7.59	5.14	+2.45
16 13 4 19.6	JS	14 43 58.94	59.15	—0.21	—10 54 40.31	43.77	+3.46
20 16 56 27.7	IF	18 52 31.39	31.85	—0.46	—21 57 2.82	6.03	+3.21
May 9 7 14 32.7	JS	10 23 55.27	55.45	—0.18	+13 38 4.40	2.60	+1.80
10 8 6 42.8	IF	11 20 10.52	10.68	—0.16	+ 8 52 42.17	38.30	+3.87
18 15 40 8.0	JS	19 26 22.62	23.05	—0.43	...	...	...
20 17 27 37.9	IF	21 22 3.29	3.91	—0.62	—17 51 48.37	48.03	—0.34
June 7 6 51 48.9	G	11 55 27.93	28.03	—0.10	+ 5 43 9.38	5.93	+3.45
8 7 42 29.0	G	12 50 12.91	13.13	—0.22	+ 0 12 18.63	15.52	+3.11
9 8 34 13.6	IF	13 46 2.50	2.65	—0.15	— 5 25 53.80	54.66	+0.86
10 9 27 53.4	JS	14 43 47.68	47.91	—0.23	—10 49 26.04	28.41	+2.37
11 10 24 3.1	G	15 44 3.21	3.51	—0.30	—15 33 54.03	57.41	+3.38
12 11 22 42.1	JS	...	...	...	—19 14 46.23	47.66	+1.43
16 15 16 41.0	IF	20 57 11.93	12.54	—0.61	—19 17 42.32	42.78	+0.46

February 17, April 9, 14. Diffused.
 March 21, June 8, 9. Unsteady.
 April 12, 20. Very bad definition; diffused.
 May 10. Very unsteady; bad definition.
 June 12. Very faint; cloudy.

March 14, 18. Limb boiling.
 April 11. Diffused and tremulous.
 April 13, May 18. Bad definition.
 May 20. Faint, cloudy; unsteady.
 June 16. Very bad definition.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1870—continued. d h m s		h m s	s	s			
July 13 13 2 57.6	IF	20 29 33.64	33.97	-0.33	-20° 28' 36".01	35".17	-0".84
15 14 46 32.1	JS	22 21 18.32	18.90	-0.58	-14 7 10.71	11.02	+0.31
17 16 17 7.3	JS	0 0 1.49	1.93	-0.44	- 5 21 37.04	34.75	-2.29
Aug. 6 7 59 13.6	G	16 59 37.11	37.59	-0.48	-19 50 2.37	6.53	+4.16
8 9 54 39.6	IF	19 3 15.17	15.57	-0.40	-22 14 44.52	45.05	+0.53
10 11 45 52.9	JS	21 2 39.81	40.21	-0.40	-19 2 31.40	29.77	-1.63
11 12 37 9.4	IF	21 58 1.38	2.09	-0.71	-15 45 59.84	59.27	-0.57
13 14 10 32.8	G	23 39 33.21	33.56	-0.35	- 7 16 46.09	48.52	+2.43
14 14 53 47.0	JS	0 26 51.00	51.57	-0.57	- 2 34 12.20	12.13	-0.07
16 16 17 28.5	JS	1 58 39.43	39.91	-0.48	+ 6 41 54.31	54.70	-0.39
Sept. 6 9 39 13.9	JS	20 42 6.95	7.31	-0.36	-20 2 22.17	22.43	+0.26
7 10 30 43.7	IF	21 37 41.77	42.24	-0.47	-17 7 17.93	16.58	-1.35
8 11 19 17.2	G	22 30 19.85	20.26	-0.41	-13 21 58.65	54.67	-3.98
9 12 5 10.2	IF	23 20 16.97	17.63	-0.66	- 9 2 14.62	12.26	-2.36
10 12 48 57.6	JS	0 8 8.05	8.52	-0.47	- 4 22 54.38	53.51	-0.87
15 16 22 23.3	JS	4 1 51.65	52.23	-0.58	+17 2 16.87	14.44	+2.43
16 17 8 49.1	IF	4 52 21.60	22.18	0.58	+19 47 55.95	56.70	-0.75
Oct. 4 8 27 45.1	IF	21 20 49.94	50.38	-0.44	-18 17 24.02	21.90	-2.12
5 9 16 33.0	JS	22 13 42.44	42.88	-0.44	-14 46 19.99	17.73	-2.26
6 10 2 34.9	G	23 3 48.40	48.70	-0.30	-10 36 39.25	38.08	-1.17
7 10 46 25.6	IF	23 51 42.83	43.30	-0.47	- 6 2 33.62	32.84	-0.78
10 12 52 14.5	G	2 9 42.15	42.68	-0.53	+ 8 4 38.50	37.75	+0.75
11 13 34 42.2	IF	2 56 13.32	13.73	-0.41	+12 19 27.99	27.97	+0.02
14 15 51 28.0	IF	5 25 11.25	11.63	-0.38	+21 20 44.64	41.86	+2.78
<p>July 13, August 11, September 9, October 14. Unsteady. August 8, October 4, 6, 7, 11. Very bad definition. August 10, September 15. Bad definition. August 13. Very bad definition; cloudy. September 7. Bad definition; very unsteady. September 8. Worst possible definition; blurred and unsteady. September 10. Cloudy. September 16. Cloudy; limb boiling.</p>							

R.A. AND DEC. OF MERCURY.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s			
Dec. 23 22 25 54.3	G	16 36 34.84	34.70	+0.14	-19° 41' 44".33	43".45	-0".88
25 22 25 23.6	G	16 43 57.21	57.10	+0.11	-20 11 21.05	20.05	-1.00
30 22 28 35.9	G	17 6 52.82	52.66	+0.16	-21 29 6.67	6.45	-0.22
1867.							
Jan. 2 22 32 42	CF	...	...	...	-22 12 12.49	13.88	+1.39
3 22 34 20	CF	...	...	...	-22 25 21.99	21.28	-0.71
8 22 44 5	B	...	...	...	-23 18 20.72	22.99	+2.27
9 22 46 17	IF	...	...	...	-23 26 7.18	4.60	-2.58
25 23 28 25	G	...	...	...	-22 44 3.33	3.56	+0.23
27 23 34 15	JS	...	...	...	-22 14 33.84	34.90	+1.06
Apr. 10 22 39 21	G	...	...	...	- 1 12 19.83	21.60	+1.77
11 22 36 29	G	...	...	...	- 1 19 41.78	43.95	+2.17
23 22 20 47.4	G	0 28 30.15	30.02	+0.13	+ 0 11 24.00	21.87	+2.13
24 22 20 43	JS	...	...	...	+ 0 31 45.76	44.21	+1.55
May 8 22 34 25.7	G	1 41 18.99	18.87	+0.12	+ 7 41 39.62	36.60	+3.02
16 22 54 23.7	G	2 32 52.69	52.65	+0.04	+13 9 56.16	55.11	+1.05
17 22 57 36	G	...	...	...	+13 52 54.80	51.96	+2.84
1868.							
Apr. 26 22 51 10.6	G	1 13 46.97	46.88	+0.09	+ 5 19 45.18	42.91	+2.27
28 22 56 15.9	G	1 26 46.16	45.99	+0.17	+ 6 49 21.92	18.75	+3.17
29 22 58 59.4	G	1 33 26.69	26.64	+0.05	+ 7 35 11.42	9.58	+1.84
1869.							
Mar. 30 22 37 54.3	G	23 13 3.97	3.86	+0.11	- 7 35 7.82	9.71	+1.89
31 22 39 25.3	G	23 18 31.76	31.67	+0.09	...	...	...
Apr. 1 22 41 0.9	G	23 24 4.14	4.05	+0.09	...	...	...
1866 Second and South limbs observed; 1867 January, centre; in other cases second and North limbs.							
1866 December 23, 1867 April 23, 1868 April 26. Very unsteady.							
1866 December 25, 30, 1867 May 8, 16, 17. Diffused and tremulous.							
1867 April 10. Very faint.							
1868 April 28. Very bad definition.							

R.A. AND DEC. OF VENUS.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s	° ' "	"	"
June 22 2 10 1.6	CF	8 11 56.39	56.24	+0.15	+21 47 7.43	5.41	+2.02
23 2 11 7.6	JS	8 16 59.22	59.19	+0.03	+21 31 38.86	38.30	+0.56
30 2 18 13.6	JS	8 51 42.27	42.15	+0.12	+19 27 38.06	37.38	+0.68
July 2 2 20 2	JS	...	...	...	+18 47 27.68	24.96	+2.72
7 2 24 11.0	JS	9 25 16.54	16.51	+0.03	+16 58 34.74	32.38	+2.36
9 2 25 40.5	JS	9 34 39.34	39.46	-0.12	+16 11 55.05	53.37	+1.68
10 2 26 23.3	JS	9 39 18.84	18.88	-0.04	+15 47 58.47	56.80	+1.67
11 2 27 4.7	JS	9 43 56.88	56.95	-0.07	+15 23 38.26	36.65	+1.61
12 2 27 44.7	JS	9 48 33.59	33.67	-0.08	+14 58 55.13	53.52	+1.61
14 2 29 0.8	JS	9 57 43.04	43.09	-0.05	+14 8 24.27	21.64	+2.63
17 2 30 45.3	JS	10 11 17.45	17.48	-0.03	+12 49 59.75	59.88	-0.13
Oct. 4 2 45 51	IF	...	...	...	-23 13 6.22	8.85	+2.63
6 2 45 56.1	JS	15 45 51.57	51.63	-0.06	-23 47 4.76	6.81	+2.05
8 2 45 57.9	JS	15 53 46.47	46.60	-0.13	-24 19 3.38	4.92	+1.54
9 2 45 57	IF	...	...	...	-24 34 17.09	18.13	+1.04
11 2 45 52.0	IF	16 5 30.18	30.24	-0.06	-25 3 9.37	11.52	+2.15
20 2 43 58	B	...	...	...	-26 46 50.43	56.10	+5.67
22 2 43 4.8	B	16 46 4.63	4.88	-0.25	-27 3 57.61	62.63	+5.02
24 2 41 59.3	IF	16 52 52.04	51.79	+0.25	-27 18 55.58	58.66	+3.08
Nov. 2 2 33 35.9	G	17 19 56.25	56.35	-0.10	-27 59 26.82	29.66	+2.84
Dec. 19 22 59 32.0	OF	16 54 31.85	31.34	+0.51	-19 49 52.59	53.12	+0.53
21 22 48 17	JS	...	...	...	-19 19 51.30	51.10	-0.20
23 22 37 40.1	G	16 48 22.60	22.19	+0.41	-18 52 50.26	49.89	-0.37
30 22 5 39.3	G	16 43 52.46	52.08	+0.38	-17 45 23.56	23.58	+0.02
1867.							
Jan. 2 21 54 25	CF	...	...	...	-17 29 35.96	36.25	+0.29
3 21 50 59	CF	...	...	...	-17 25 58.32	58.36	+0.04

R.A. First limb observed to 1866 November 2; second limb 1866 December 19 to 30.
 DEC. North limb 1866 July 2 to November 2; South limb 1866 June 23 and 30,
 December 19 to 1867 January 3; centre of light on 1866 June 22.
 1866 June 22, July 14, October 4, 11, 20, 22, 24, December 19. Very bad definition.

458 *R.A. and Dec. of Sun and Planets from Observations*

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1867—continued.							
d h m s		° h m s	s	s			
Jan. 8 21 36 3	B	...	...	...	+17° 18' 38".03	43".67	+5".64
May 8 21 41 44.2	G	0 48 28.81	28.67	+0.14	+ 3 17 25.05	23.53	+1.52
10 21 42 38.8	G	0 57 16.68	16.58	+0.10	+ 4 10 55.58	54.01	+1.57
16 21 45 32.4	G	1 23 50.11	50.03	+0.08	+ 6 50 7.00	5.71	+1.29
17 21 46 3	G	...	...	...	+ 7 16 22.06	19.12	+2.94
19 21 47 6	G	...	...	...	+ 8 8 26.32	24.36	+1.96
21 21 48 12	G	...	...	...	+ 8 59 56.97	55.05	+1.92
31 21 54 29	JS	...	...	...	+13 5 60.45	58.62	+1.83
July 8 22 33 42.4	G	5 41 5.53	5.48	+0.05	+22 50 41.65	41.40	+0.25
1868.							
Mar. 26 2 41 25.8	CF	2 58 30.21	29.55	+0.66	+18 29 19.21	20.79	—1.58
31 2 44 41	CF	...	...	...	+20 19 16.42	16.13	+0.29
Apr. 24 3 1 58.8	G	5 13 26.61	26.83	—0.22	+26 0 52.90	53.82	—0.92
25 3 2 39	G	...	...	...	+26 7 41.85	44.04	—2.19
27 3 3 57.4	G	5 27 15.20	15.43	—0.23	+26 19 32.41	34.09	—1.68
28 3 4 15	IF	...	...	...	+26 24 38.08	34.14	+3.94
May 1 3 6 20	IF	...	...	...	+26 35 58.05	55.40	+2.65
2 3 6 53	CF	...	...	...	+26 38 27.91	30.05	—2.14
4 3 7 52	CF	...	...	...	+26 41 54.97	52.32	+2.65
5 3 8 20	CF	...	...	...	+26 42 41.04	40.51	+0.53
6 3 8 45	CF	...	...	...	+26 42 55.01	53.40	+1.61
7 3 9 9	JS	...	...	...	+26 42 33.90	32.78	+1.12
June 3 3 0 16	CF	...	...	...	+23 33 4.53	1.10	+3.43
9 2 50 39	CF	...	...	...	+22 19 24.55	23.25	+1.30
11 2 46 34	CF	...	...	...	+21 53 52.29	52.72	—0.43

R.A. Second limb 1867 May 8 to July 8; first limb 1868 March 26 to April 27.
 Dec. North limb 1867 January 8 to May 31; South limb 1867 July 8; South limb
 1868 April 24 to 27; North limb April 28 to May 2; centre of light in other cases.
 1867 January 8. Tremulous. 1867 May 8, 10, 1868 April 25. Very unsteady.
 1867 May 17, 19, July 8, 1868 April 24. Diffused.
 1868 March 26, May 1. Bad definition. 1868 April 28. Of little value.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1870. d h m s		h m s	s	s	° ' " "	" "	" "
Feb. 9 1 25 44.7	JS	22 43 16.80	16.94	-0.14	- 0 48' 11.67	13.59	+1.92
10 1 20 24	JS	...	...	...	- 0 43 33.93	35.20	+1.27
July 13 21 29 16.1	G	4 57 15.34	15.35	-0.01	+20 59 28.40	25.41	+2.99

First and South limbs observed 1870 February 9; second and North limbs July 13; South limb only on February 10. July 13. Bad definition.

R.A. AND DEC. OF MARS.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s	° ' " "	" "	" "
Oct. 3 18 6 18.3	CF	6 56 55.31	55.36	-0.05	+23 20' 47.95	47.35	+0.60
Nov. 25 15 51 47	OF	...	...	...	+22 27 24.89	23.76	+1.13
26 15 48 13	G	...	...	...	+22 29 6.93	7.01	-0.08
28 15 40 51	G	...	...	...	+22 33 4.49	6.20	-1.71
30 15 33 17	B	...	...	...	+22 37 45.95	49.93	-3.98
Dec. 7 15 4 57	IF	...	...	...	+23 0 21.48	18.36	+3.12
11 14 47 27	CF	...	...	...	+23 17 9.79	8.37	+1.42
14 14 33 42	IF	...	...	...	+23 31 24.65	28.25	-3.60
18 14 14 32	IF	...	...	...	+23 52 28.44	29.57	-1.13
19 14 9 36	G	...	...	...	+23 58 7.01	2.16	+4.85
20 14 4 43.5	JS	8 2 12.10	12.39	-0.29	+24 3 36.46	40.53	-4.07
23 13 49 28	CF	...	...	...	+24 21 3.12	2.90	+0.22
1867. Jan. 4 12 44 25	IF	...	...	...	+25 31 2.36	3.45	-1.09
7 12 27 31	JS	...	...	...	+25 46 50.24	48.17	+2.07
8 12 21 51	G	...	...	...	+25 51 47.72	45.32	+2.40

R.A. Centre of light observed 1866 October 3; first limb December 20.

Dec. South limb 1866 November 28, December 14, 18, 20, 1867 January 4; North limb 1866 December 7, 19; and centre of light in other cases.

1866 December 7, 20, 1867 January 4. Very bad definition.

1866 December 19. Very unsteady.

460 *R.A. and Dec. of Sun and Planets from Observations*

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1867— <i>continued.</i> d h m s		h m s	s	s			
Jan. 10 12 10 31	G	...	...	...	+26° 1' 11" 51	9' 23	+2' 28
11 12 4 51' 3	JS	7 28 44' 42	44' 56	—0' 14	+26 5 37' 83	34' 99	+2' 84
14 11 47 54' 6	JS	7 23 34' 64	34' 65	—0' 01	+26 17 42' 47	42' 63	—0' 16
15 11 42 17	CF	...	...	...	+26 21 21' 53	20' 75	+0' 78
16 11 36 41	G	...	...	...	+26 24 48' 50	46' 66	+1' 84
17 11 31 3' 7	JS	7 18 33' 35	33' 42	—0' 07	+26 27 63' 41	59' 98	+3' 43
18 11 25 33	CF	...	...	...	+26 31 3' 21	60' 85	+2' 36
19 11 20 1' 8	JS	7 15 20' 01	20' 03	—0' 02	+26 33 50' 22	49' 03	+1' 19
22 11 4 39' 4	B	7 11 44' 73	44' 46	+0' 27	+26 40 56' 62	58' 08	—1' 46
23 10 58 16	IF	...	...	...	+26 42 57' 17	56' 40	+0' 77
24 10 52 56	JS	...	...	...	+26 44 42' 56	42' 52	+0' 04
28 10 32 1	B	...	...	...	+26 49 52' 14	50' 42	+1' 72
29 10 26 54	IF	...	...	...	+26 50 39' 89	39' 57	+0' 32
30 10 21 51	CF	...	...	...	+26 51 20' 03	18' 36	+1' 67
31 10 16 51	IF	...	...	...	+26 51 45' 94	46' 96	—1' 02
Feb. 1 10 11 52' 7	B	6 58 17' 26	16' 85	+0' 41	+26 52 7' 20	5' 66	+1' 54
2 10 7 1	G	...	...	...	+26 52 17' 95	14' 95	+3' 00
4 9 57 25' 2	CF	6 55 34' 79	34' 60	+0' 19	+26 52 9' 42	6' 54	+2' 88
5 9 52 42	JS	...	...	...	+26 51 52' 68	49' 50	+3' 18
6 9 48 3	IF	...	...	...	+26 51 26' 85	24' 47	+2' 38
10 9 30 1	IF	...	...	...	+26 48 31' 10	31' 34	—0' 24
11 9 25 40	B	...	...	...	+26 47 34' 21	31' 35	+2' 86
12 9 21 22	IF	...	...	...	+26 46 26' 66	25' 46	+1' 20
13 9 17 7	CF	...	...	...	+26 45 15' 35	13' 82	+1' 53
14 9 12 56	IF	...	...	...	+26 43 58' 77	56' 77	+2' 00
15 9 8 48' 4	JS	6 50 12' 05	12' 23	—0' 18	+26 42 37' 61	34' 40	+3' 21
18 8 56 46	B	...	...	...	+26 37 58' 86	58' 45	+0' 41
25 8 30 32	B	...	...	...	+26 24 45' 71	43' 79	+1' 92
27 8 23 30	B	...	...	...	+26 20 23' 51	21' 36	+2' 15
Mar. 4 8 6 42	B	...	...	...	+26 8 24' 76	21' 68	+3' 08
14 7 36 11' 5	JS	7 3 46' 86	46' 98	—0' 12	+25 39 47' 02	45' 15	+1' 87
R.A. First limb observed January 11, 14, 17, 19, February 15, March 14; second limb in other cases.							
Dec. North limb January 11, 17, 19; South limb January 14, 22, 24; centre of light in other cases.							
January 9, 15, 23, 28, 29, February 1, 10, 14. Very bad definition.							
January 31, February 18, 27. Cloudy.							

R.A. AND DEC. OF CERES (1).

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1867. d h m s		h m s	s	s	° ' " "	" "	" "
Apr. 17 14 33 44.5	CF	16 16 31.21	30.48	+0.73	-13 34 12.34	0.12	-12.22
26 13 53 12	JS	...	...	...	-13 33 48.40	36.26	-12.14
June 3 10 50 42.3	JS	15 38 10.48	9.22	+1.26	-13 52 60.18	46.33	-13.85
4 10 45 56.5	IF	15 37 20.44	19.11	+1.33	-13 54 25.36	12.24	-13.12
5 10 41 11.3	G	15 36 30.98	29.88	+1.10	-13 55 56.09	42.06	-14.03
6 10 36 27.4	B	15 35 42.85	41.60	+1.25	-13 57 29.40	16.07	-13.33
7 10 31 44.3	CF	15 34 55.58	54.29	+1.29	-13 58 65.91	54.09	-11.82
17 9 45 34.7	CF	15 28 3.98	2.94	+1.04	-14 19 16.10	5.07	-11.03

June 6, 17. Very bad definition.

R.A. AND DEC. OF PALLAS (2).

Apr. 17 14 9 9.0	CF	15 51 51.68	52.48	-0.80	+21 6 8.31	2.13	+6.18
26 13 27 54	JS	...	...	...	+23 3 36.68	34.66	+2.02
May 22 11 24 30.4	CF	15 24 45.47	46.50	-1.03	+26 14 61.56	56.47	+5.09
27 11 0 59.1	JS	15 20 53.00	53.82	-0.82	+26 23 40.76	43.25	-2.49
June 3 10 28 34.9	JS	15 15 59.38	60.13	-0.75	+26 21 39.95	37.53	+2.42
4 10 24 0.8	IF	15 15 21.13	21.91	-0.78	+26 20 6.00	2.02	+3.98

Observed over bright wires April 17, June 4.

R.A. AND DEC. OF JUNO (3).

Feb. 15 13 28 7.3	CF	11 10 13.50	11.83	+1.67	+ 1 18 2.58	6.20	-3.62
22 12 55 19.3	G	11 4 56.03	54.35	+1.68	+ 2 22 33.45	33.56	-0.11
25 12 41 7.8	JS	11 2 31.91	30.38	+1.53	+ 2 51 33.02	34.04	-1.02
Mar. 6 11 58 25.5	JS	10 55 11.50	9.88	+1.62	+ 4 20 37.28	39.25	-1.97

February 25. Cloudy.

R.A. AND DEC. OF VESTA (4).

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s		"	"
Aug. 9 13 55 33·9	JS	23 8 39·35	...	...	-15° 20' 31"·70	"	"
Sept. 4 11 52 6·0	CF	22 47 21·50	25·52	-4·02	-18 47 68·82	40·03	-28·79
14 11 4 4·2	CF	22 38 37·36	41·40	-4·04	-19 43 79·06	52·43	-26·63

September 4. Very bad definition.

R.A. AND DEC. OF HEBE (6).

June 7 13 32 17·7	JS	18 36 56·24	55·79	+0·45	- 4 56 14·51	2·70	-11·81
8 13 27 36·9	CF	18 36 11·26	10·95	+0·31	- 4 56 63·40	50·03	-13·37
21 12 25 10·0	JS	18 24 49·24	49·05	+0·19	...	...	...
July 4 11 21 14·3	JS	18 11 58·39	58·26	+0·13	- 6 28 52·98	41·13	-11·85
10 10 51 55·0	CF	18 6 13·62	13·43	+0·19	- 7 8 33·88	19·79	-14·09
13 10 37 24·7	CF	18 3 30·56	30·68	-0·12	- 7 30 26·31	16·53	- 9·78
14 10 32 36·9	JS	18 2 38·57	38·39	+0·18	- 7 37 65·50	51·70	-13·80
16 10 23 3·9	G	18 0 57·06	...	...	- 7 53 42·63	...	...
17 10 18 18·9	CF	18 0 7·86	...	...	- 8 1 39·29	...	...
23 9 50 17·6	JS	17 55 41·35	...	...	- 8 51 54·33	...	...

June 8, July 4, 17. Bad definition.

R.A. AND DEC. OF IRIS (7).

Nov. 5 14 12 9·2	G	5 12 13·95	...	...	+26 32 30·98	...	...
9 13 55 45·4	IF	5 11 33·66	...	...	+26 6 45·90	...	...

November 9. Very faint.

R.A. AND DEC. OF FLORA (9).

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	"	"			
July 9 12 42 35.4	G	19 53 15.65	11.81	+3.84	-21 15' 18".83	18.38	-0.45
10 12 37 38.5	CF	19 52 14.51	10.48	+4.03	-21 21 25.25	28.42	+3.17
11 12 32 40.2	JS	19 51 11.85	8.33	+3.52	-21 27 39.59	39.85	+0.26
12 12 27 41.8	G	19 50 9.22	5.39	+3.83	-21 33 51.42	52.16	+0.74
16 12 7 41.2	G	19 45 51.53	47.82	+3.71	-21 58 43.52	48.62	+5.10

R.A. AND DEC. OF PARTHENOPE (11).

Aug. 9 13 17 20.5	JS	22 30 19.68	...	...	-12 41 45.47	...	...
Sept. 4 11 14 18.1	CF	22 9 27.41	...	...	-15 48 1.36	...	...

September 4. Bad definition.

R.A. AND DEC. OF MELPOMENE (18).

June 7 14 25 31.8	JS	19 30 19.12	...	...	- 8 14 43.59	...	...
8 14 22 33.7	CF	19 31 17.08	...	...	- 8 20 3.74	...	...
21 13 22 20.2	JS	19 22 8.93	13.86	-4.93	- 8 22 19.26	22.44	+3.18
July 4 12 19 41.8	JS	19 10 35.47	40.47	-5.00	- 9 4 20.82	29.82	+9.00
11 11 45 7.3	JS	19 3 31.23	36.45	-5.22	- 9 40 51.08	55.86	+4.78
13 11 35 13.5	CF	19 1 28.84	33.94	-5.10	- 9 52 51.11	56.40	+5.29
14 11 30 17.0	JS	19 0 28.14	32.91	-4.77	- 9 59 4.56	11.03	+6.47
17 11 15 28.5	CF	18 57 26.90	31.79	-4.89	-10 18 44.20	49.83	+5.63

June 8, July 4. Bad definition.

R.A. AND DEC. OF MASSILIA (20).

June 8 12 35 50.1	CF	17 44 15.90	11.02	+4.88	-22 29 57.06	56.17	-0.89
21 11 31 38.3	JS	17 30 48.76	43.83	+4.93	-22 20 60.07	56.25	-3.82

June 8. Bad definition.

R.A. AND DEC. OF CIRCE (34).

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s	° ' " 93	"	"
Oct. 12 13 4 58.7	CF	2 30 15.16	...	...	+14 4' 46".93	..	..
Nov. 6 12 8 41.3	CF	3 12 22.32	21.40	+0.92	+11 53 52.25	75.49	-23.24

R.A. AND DEC. OF LEUCOTHEA (35).

July 9 10 39 4.5	G	17 48 84.39	57.21	+27.18	-36 3 81.15	8.34	-72.81
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R.A. AND DEC. OF NYSA (44).

Oct. 7 12 17 21.0	CF	1 22 46.88	48.32	-1.44	+ 2 27 27.56	25.58	+1.98
9 12 7 41.8	JS	1 20 59.17	60.51	-1.34	+ 2 14 14.41	19.68	-5.27
10 12 2 51.5	CF	1 20 4.62	5.99	-1.37	+ 2 7 42.33	49.05	-6.72
16 11 33 45.8	CF	1 14 33.51	34.98	-1.47	+ 1 29 46.03	50.11	-4.08
Nov. 4 10 2 22.5	CF	0 57 49.72	...	...	- 0 2 38.28	...	...

October 9, November 4. Very bad definition.

R.A. AND DEC. OF EUGENIA (45).

June 7 11 47 15.8	JS	16 51 37.13	33.41	+3.72	-11 53 70.82	59.79	-11.03
8 11 42 27.9	CF	16 50 44.96	40.80	+4.16	-11 53 54.57	41.05	-13.52
21 10 40 44.1	JS	16 40 6.25	2.30	+3.95	-11 59 46.63	33.59	-13.04

June 7. Very faint.

June 8. Bad definition.

R.A. AND DEC. OF MELETE (56).

Oct. 22 14 39 40.6	G	4 44 38.10	...	...	+14 33 1.49	...	...
Nov. 8 13 22 2.8	G	4 33 48.99	...	...	+13 10 14.37	...	...

R.A. AND DEC. OF EURYDICE. (75.)

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s					
July 9 12 2 9.9	G	19 12 43.43	...	...	-32° 13' 50".53	...	...
12 11 47 27.4	G	19 9 48.18	...	...	-32 11 0.07	...	...
16 11 27 48.1	G	19 5 51.96	...	...	-32 7 47.89	...	...

R.A. AND DEC. OF JUPITER.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s			
June 21 14 11 56.9	JS	20 11 53.72	53.08	+0.64	-20° 26' 43".45	48.99	+ 5".54
29 13 37 6.9	JS	20 8 30.49	29.81	+0.68	-20 38 36.04	43.34	+ 7.30
July 4 13 15 5.4	JS	20 6 8.15	7.55	+0.60	-20 46 38.21	44.85	+ 6.64
9 12 52 55.1	G	20 3 37.02	36.19	+0.83	-20 54 54.61	62.63	+ 8.02
10 12 48 28.1	CF	20 3 5.83	5.05	+0.78	...	...	...
11 12 44 0.7	JS	20 2 34.30	33.68	+0.62	-20 58 17.96	24.13	+ 6.17
12 12 39 33	G	...	...	...	-20 59 56.35	65.13	+ 8.78
13 12 35 6.0	CF	20 1 31.17	30.32	+0.85	-21 1 35.13	46.03	+10.90
16 12 21 42.3	G	19 59 54.99	54.11	+0.88	-21 6 39.73	48.33	+ 8.60
17 12 17 14.2	CF	19 59 22.70	21.83	+0.87	-21 8 19.37	28.63	+ 9.26
26 11 37 0.9	JS	19 54 31.77	30.89	+0.88	-21 23 0.73	8.00	+ 7.27
27 11 32 33.1	CF	19 53 59.79	58.94	+0.85	-21 24 33.43	41.80	+ 8.37
Aug. 9 10 34 54.3	JS	19 47 26.72	25.92	+0.80	-21 43 10.59	16.36	+ 5.77
25 9 25 42.1	JS	19 41 8.05	7.04	+1.01	-21 59 55.71	61.04	+ 5.33
Oct. 30 5 13 54.0	IF	19 48 50.99	50.21	+0.78	-21 41 30.10	37.59	+ 7.49
Nov. 1 5 7 6.4	B	19 49 55.39	54.45	+0.94	-21 38 43.46	50.94	+ 7.48

R.A. Both limbs observed July 9, 10, 16, 17, 27, August 25; first limb in other cases.
 DEC. Both limbs observed July 9, 12, 16, 17, 27; North limb July 13, October 30 and
 November 1; South limb in other cases.

July 4, 27. Bad definition.

July 9, 16, November 1. Diffused.

1866 July 10. Cloudy.

466 *R.A. and Dec. of Sun and Planets from Observations*

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866—continued. d h m s							
Nov. 5 4 53 37	IF	h m s ...	s ...	s ...	—21° 32' 47".54	53".71	+6".17
6 4 50 17.4	B	19 52 46.47	45.57	+0.90	—21 31 12.02	19.43	+7.41
7 4 46 57.5	IF	19 53 22.56	21.54	+1.02	—21 29 36.86	43.15	+6.29
9 4 40 19.5	CF	19 54 36.59	35.15	+1.44	—21 26 18.62	24.57	+5.95
29 3 35 40.0	CF	20 8 (37.56)	40.01	(—2.45)	—20 45 58.48	62.02	+3.54
1867.							
July 30 13 59 18.5	JS	22 32 1.39	1.67	—0.28	—10 34 19.77	22.79	+3.02
Aug. 5 13 33 21.0	B	22 29 38.94	38.96	—0.02	...	...	...
13 12 58 21	B	...	...	...	—11 11 42.79	49.09	+6.30
14 12 53 56.9	IF	22 25 37.30	37.42	—0.12	—11 14 36.01	41.53	+5.52
15 12 49 32.5	JS	22 25 8.73	9.03	—0.30	—11 17 34.54	34.89	+0.35
22 12 18 38	JS	...	...	...	—11 38 1.33	5.11	+3.78
28 11 52 3.0	IF	22 18 45.04	45.26	—0.22	—11 55 37.35	39.03	+1.68
29 11 47 37.5	JS	22 18 15.34	15.36	—0.02	—11 58 26.98	32.53	+5.55
Sept. 3 11 25 29.9	IF	22 15 46.86	47.30	—0.44	—12 12 40.84	43.10	+2.26
5 11 16 40.6	JS	22 14 49.17	49.16	+0.01	—12 18 9.37	12.82	+3.45
6 11 12 15.8	IF	22 14 20.28	20.42	—0.14	—12 20 52.33	54.95	+2.62
13 10 41 32.4	CF	22 11 7.64	7.13	+0.51	—12 38 54.28	49.51	—4.77
16 10 28 26.8	JS	22 9 49.53	49.60	—0.07	—12 45 48.52	52.16	+3.64
17 10 24 6.0	IF	22 9 24.64	24.60	+0.04	—12 48 0.79	7.30	+6.51
20 10 11 5.6	CF	22 8 11.67	12.35	—0.68	—12 54 25.74	34.76	+9.02
24 9 53 53.5	CF	22 6 43.03	43.15	—0.12	—13 2 18.72	25.49	+6.77
26 9 45 21	JS	...	...	...	—13 5 55.81	59.96	+4.15
Oct. 4 9 11 32.8	CF	22 3 41.89	41.88	+0.01	—13 17 45.19	47.10	+1.91
8 8 54 56.8	IF	22 2 48.32	48.18	+0.14	—13 21 59.90	65.20	+5.30
10 8 46 42.5	B	22 2 25.75	25.63	+0.12	—13 23 44.86	49.54	+4.68
14 8 30 23.6	JS	22 1 49.42	49.41	+0.01	—13 26 25.26	28.00	+2.74
15 8 26 19.4	IF	22 1 42.10	42.23	—0.13	—13 26 56.06	57.05	+0.99
18 8 14 14.8	CF	22 1 25.21	25.23	—0.02	—13 27 55.32	58.76	+3.44
23 7 54 22.4	IF	22 1 12.31	12.30	+0.01	—13 28 12.34	16.77	+4.43
R.A. Both limbs observed 1866 November 29; second limb 1867 September 13, October 10; first limb in other cases.							
DEC. Centre observed 1866 November 9, 29; both limbs 1867 September 3, 6, October 15; South limb 1867 August 15, 28, October 4; North limb in other cases.							
1866 November 6. Tremulous.							
1866 November 7, 1867 August 14, September 3, 6, 20, 24, October 10, 23. Very bad definition.							

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1867—continued. d h m s		h m s	s	s	° ' " 02	" 62	+2" 60
Oct. 24 7 50 26·3	JS	22 1 12·08	12·06	+0·02	—13 28' 5" 02	7' 62	+2" 60
29 7 30 57·3	CF	22 1 22·67	22·51	+0·16	—13 26 15' 53	17' 02	+1' 49
30 7 27 8·7	B	22 1 27·05	26·94	+0·11	—13 25 37' 21	42' 17	+4' 96
Nov. 1 7 19 25·2	JS	22 1 38·36	38·13	+0·23	—13 24 18' 48	19' 60	+1' 12
4 7 8 0·0	JS	22 2 0·91	0·72	+0·19	—13 21 42' 49	44' 46	+1' 97
12 6 38 5·6	JS	22 3 34·00	34·09	—0·09	—13 11 49' 54	50' 98	+1' 44
15 6 27 5·0	JS	22 4 21·30	21·13	+0·17	—13 7 1' 11	2' 54	+1' 43
21 6 5 24·9	B	22 6 14·19	14·09	+0·10	—12 55 39' 66	41' 77	+2' 11
1868.							
Apr. 11 22 31 39·6	G	23 55 4·42	4·69	—0·27	...	...	...
23 21 54 25·8	G	0 5 3' 14	3' 34	—0·20	—0 38 27' 69	27' 46	—0·23
24 21 51 18·4	G	0 5 51' 74	52·00	—0·26	—0 33 19' 84	18' 75	—1' 09
26 21 45 3·0	G	0 7 28' 44	28·70	—0·26	—0 23 7' 15	6' 04	—1' 11
July 13 17 22 52·9	JS	0 52 6·63	7·02	—0·39	+ 4 5 58' 42	61' 88	—3' 46
14 17 19 12	IF	...	...	...	+ 4 7 3' 12	13' 63	—10' 51
Oct. 1 11 52 44·2	IF	0 36 28·14	28·85	—0·71	+ 2 8 48' 27	52' 03	—3' 76
14 10 55 21	IF	...	...	...	+ 1 29 7' 72	12' 37	—4' 65
Nov. 18 8 26 26·0	IF	0 18 50·50	50·97	—0·47	+ 0 23 43' 48	47' 35	—3' 87
24 8 2 14·6	CF	0 18 14·46	14·81	—0·35	+ 0 21 41' 70	43' 95	—2' 25
1870.							
July 13 21 27 6·9	G	4 55 5·77	5·31	+0·46	+22 1 39' 56	41' 71	—2' 15
R.A. Second limb observed 1867 October 30, November 21, 1868 November 24, both limbs, 1868 April 23, 24, 26, 1870 July 13; first limb in other cases.							
DEC. Both limbs observed 1867 October 29, 1868 April 23, 24, 26, 1870 July 13; centre on 1867 November 21, 1868 July 13 to November 24; North limb in other cases.							
1867 October 29, 30, November 1, 21, 1868 October 1. Very bad definition.							
1868 April 11, 1870 July 13. Very faint.							

R.A. AND DEC. OF SATURN.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s	—° ′ ″	″	″
May 25 10 9 52.1	JS	14 22 42.17	42.12	+0.05	—11 25 46.19	52.93	+6.74
July 19 6 27 50.6	JS	14 16 54.80	54.70	+0.10	—11 9 54.74	64.45	+9.71
20 6 23 58	CF	...	...	...	—11 10 31.74	40.33	+8.59
1867.							
May 9 12 7 40	JS	...	...	...	—15 38 56.44	63.17	+6.73
19 11 25 22	CF	...	...	...	—15 27 42.52	50.53	+8.01
22 11 12 41.8	CF	15 12 54.84	54.79	+0.05	—15 24 28.54	36.26	+7.72
27 10 51 36.8	JS	15 11 29.17	28.60	+0.57	—15 19 18.11	24.28	+6.17
June 3 10 22 10.7	JS	15 9 34.17	33.95	+0.22	—15 12 32.06	39.07	+7.01
4 10 17 59.4	IF	15 9 18.71	18.29	+0.42	—15 11 38.93	44.71	+5.78
5 10 13 48.2	G	15 9 3.36	2.84	+0.52	—15 10 43.74	51.41	+7.67
6 10 9 36.7	B	15 8 47.77	47.60	+0.17	—15 9 54.15	59.21	+5.06
7 10 5 25.9	CF	15 8 32.79	32.57	+0.22	—15 9 1.34	7.95	+6.61
17 9 23 50.5	CF	15 6 16.20	15.80	+0.40	—15 1 32.27	39.81	+7.54
July 3 8 18 18.9	G	15 3 38.69	38.16	+0.53	—14 54 17.09	24.80	+7.71
9 7 54 7.1	IF	15 3 2.31	1.67	+0.64	—14 53 16.33	23.21	+6.88
27 6 42 52.4	G	15 2 33.85	33.17	+0.68	—14 56 5.56	11.87	+6.31
29 6 35 4.8	G	15 2 38.15	37.65	+0.50	—14 56 55.96	63.38	+7.42
Aug. 2 6 19 34.9	IF	15 2 51.89	51.28	+0.61	—14 58 59.03	65.61	+6.58
7 6 0 21.0	G	15 3 17.62	16.98	+0.64	—15 2 8.17	14.11	+5.94
20 5 11 4	B	...	...	...	—15 13 13.47	17.96	+4.49
28 4 41 14.6	IF	15 6 45.85	45.22	+0.63	—15 21 56.63	61.17	+4.54
1868.							
June 12 10 31 5.1	CF	15 56 57.96	57.48	+0.48	—18 18 20.17	25.09	+4.92
17 10 10 5.3	CF	15 55 37.54	37.01	+0.53	—18 15 6.00	10.40	+4.40

R.A. Both limbs observed 1867 July 3; second limb 1867 June 6; first limb in other cases.

Dec. South limb 1866 May 25, 1867 June 6; both limbs 1867 August 28; centre 1866 July 20, 1867 May 19, June 7, 17, 1868 June 12, 17; North limb in other cases.

1867 June 6, 17, July 29, August 7. Very bad definition.

1867 August 20. Cloudy.

R.A. AND DEC. OF URANUS.

Cape Mean Time of Transit of Centre.	Observer.	Observed R.A.	Seconds of Tabular R.A.	Correction to Tabular R.A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s	° ' " "	" "	" "
Dec. 4 13 37 35.8	JS	6 31 55.04	70.97	-15.93	+23 33 51.74	51.11	+0.63
7 13 25 18.2	IF	6 31 25.03	40.80	-15.77	+23 34 19.43	17.01	+2.42
10 13 13 0	JS	...	...	...	+23 34 46.38	43.11	+3.27
11 13 8 52.8	CF	6 30 43.22	59.16	-15.94	+23 34 55.58	51.81	+3.77
17 12 44 12.8	B	6 29 38.45	54.36	-15.91	+23 35 45.73	43.61	+2.12
20 12 31 51.8	JS	6 29 5.15	21.17	-16.02	+23 36 11.90	9.31	+2.59
1867.							
Jan. 7 11 17 44.2	JS	6 25 43.36	59.55	-16.19	+23 38 32.44	32.33	+0.11
9 11 9 30.6	JS	6 25 21.58	37.64	-16.06	+23 38 49.64	46.43	+3.21
22 10 16 10.2	B	6 23 7.57	23.24	-15.67	+23 40 7.13	7.55	-0.42
23 10 12 5	IF	...	...	...	+23 40 11.82	12.95	-1.13
24 10 8 0	B	...	...	...	+23 40 18.32	18.25	+0.07
25 10 3 53.7	IF	6 22 38.81	54.81	-16.00	+23 40 23.95	23.45	+0.50
28 9 51 55	B	...	...	...	+23 40 38.13	38.05	+0.08
29 9 47 35	IF	...	...	...	+23 40 42.48	42.75	-0.27
31 9 39 25.3	IF	6 21 45.65	61.65	-16.00	+23 40 52.56	51.65	+0.91
Feb. 4 9 23 9.6	CF	6 21 13.52	29.32	-15.80	+23 41 6.27	8.05	-1.78
6 9 16 2.6	IF	6 20 58.50	74.19	-15.69	+23 41 14.10	15.45	-1.35
11 8 54 48.8	B	6 20 23.89	39.54	-15.65	+23 41 32.40	31.88	+0.52
18 8 26 37.4	B	6 19 43.81	59.23	-15.42	+23 41 49.17	49.48	-0.31
19 8 22 36.4	IF	6 19 38.71	54.30	-15.59	+23 41 51.88	51.58	+0.30
21 8 14 35.4	IF	6 19 29.55	45.05	-15.50	+23 41 54.07	55.18	-1.11
25 7 58 36.1	B	6 19 13.77	29.16	-15.39	+23 42 1.32	1.24	+0.08
26 7 54 36.7	IF	6 19 10.26	25.73	-15.47	+23 42 2.04	2.50	-0.46
27 7 50 37.7	B	6 19 7.10	22.53	-15.43	+23 42 1.06	3.50	-2.44
Mar. 4 7 30 45.5	B	6 18 54.43	69.93	-15.50	+23 42 6.33	7.30	-0.97
5 7 26 47.9	IF	6 18 52.77	68.10	-15.33	+23 42 7.55	7.70	-0.15
7 7 18 53.1	IF	6 18 49.72	65.13	-15.41	+23 42 9.26	8.20	+1.06
1868.							
Jan. 9 11 30 52.4	IF	6 45 49.24	65.05	-15.81	+23 24 52.90	45.18	+7.72

1866 December 4, 7, 10, 1867 January 29, February 11, 18, 27, March 5. Bad definition.
1867 February 25. Faint and unsteady.

R.A. AND DEC. OF NEPTUNE.

Cape Mean Time of Transit of Centre.	Observer.	Observed R. A.	Seconds of Tabular R. A.	Correction to Tabular R. A.	Observed Dec.	Seconds of Tabular Dec.	Correction to Tabular Dec.
1866. d h m s		h m s	s	s	+ ° ' 29" 41	42" 47	—13" 06
Oct. 3 11 54 59.7	CF	0 44 35.69	37.83	— 2.14	+ 3 1 15.78	23.77	— 7.99
5 11 46 56	CF	...	...	...	+ 2 59 54.20	65.17	—10.97
7 11 38 51.5	CF	0 44 11.05	13.24	— 2.19	+ 2 56 40.47	50.87	—10.40
12 11 18 41.5	CF	0 43 40.51	42.64	— 2.13	+ 2 54 5.56	18.57	—13.01
16 11 2 33.5	CF	0 43 16.06	18.48	— 2.42	+ 2 53 26.89	41.01	—14.12
17 10 58 31.9	JS	0 43 10.37	12.51	— 2.14	+ 2 51 1.61	13.35	—11.74
21 10 42 24.9	JS	0 42 46.89	48.94	— 2.05			
Nov. 4 9 46 5.7	CF	0 41 30.21	32.35	— 2.14	+ 2 43 11.43	22.34	—10.91
29 8 6 9.0	IF	0 39 50.96	52.96	— 2.00	+ 2 33 31.88	43.94	—12.06
30 8 2 10.4	CF	0 39 48.28	50.28	— 2.00	+ 2 33 19.08	29.64	—10.56
Dec. 4 7 46 17.3	CF	0 39 38.82	40.72	— 1.90	+ 2 32 28.03	39.95	—11.92
5 7 42 20	IF	...	...	...	+ 2 32 17.13	29.49	—12.36
7 7 34 23.8	CF	0 39 33.03	34.79	— 1.76	+ 2 31 59.71	70.99	—11.28
1867. Oct. 7 11 48 23.4	JS	0 52 46.89	49.36	—2.47	+ 3 52 6.33	20.97	—14.64
14 11 20 9.4	JS	0 52 4.09	6.36	—2.27	+ 3 47 35.78	50.07	—14.29
29 10 19 42.5	CF	0 50 35.61	37.96	—2.35	+ 3 38 30.84	43.22	—12.38
Nov. 1 10 7 38.4	JS	0 50 19.12	21.44	—2.32	+ 3 36 48.90	62.88	—13.98
4 9 55 35	JS	...	...	...	+ 3 35 13.31	26.30	—12.99
21 8 47 26.6	B	0 48 45.23	47.57	—2.34	+ 3 27 35.28	48.31	—13.03
22 8 43 27.0	IF	0 48 41.56	43.77	—2.21	+ 3 27 13.03	26.81	—13.78
1868. Nov. 16 9 12 54.3	CF	0 57 33.37	36.06	—2.69	+ 4 20 44.26	59.29	—15.03
25 8 36 55.2	IF	0 56 57.35	59.72	—2.37	+ 4 17 18.58	33.79	—15.21

1866 October 5, November 30. Cloudy.

1866 December 4, 5, 1867 October 29, November 21, 1868 November 16. Very bad definition.

1867 November 22. Observed in dark field with wires illuminated.

ROYAL OBSERVATORY,

CAPE OF GOOD HOPE.

RIGHT ASCENSIONS AND DECLINATIONS

OF

THE MOON'S LIMB

AND

MOON-CULMINATING STARS,

1866—1870.

R.A. AND DEC. OF MOON'S LIMB AND MOON-
CULMINATING STARS.

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Jan. 1	♋ Geminorum	G	h m s 6 56 11.63	7	m s	+20 45 39.07	1	' "
	♊ Geminorum		7 12 8.97	7		+22 13 21.37	1	
	Moon II. ....S		7 26 28.32	7	-1 9.53	+16 41 14.87	7	+15 57.76
	♌ Cancrī.....		7 49 24.59	7		+16 8 30.94	1	
	♌ Cancrī.....		7 53 53.72	7		+16 49 7.51	1	
	♌ Cancrī.....	JS	...			+16 8 33.45	1	
	♌ Cancrī.....		...			+16 49 7.54	1	
	Moon II. ....S		8 24 39.91	7	-1 7.67	+14 12 0.75	7	+15 45.63
	♌ Cancrī.....		8 51 11.03	7		+12 22 16.08	1	
	♌ Cancrī.....		9 0 30.77	7		+11 12 8.62	1	
	♌ Cancrī.....	G	8 51 10.80	7		+12 22 14.60	1	
	♌ Cancrī.....		9 0 30.71	7		+11 12 8.60	1	
	Moon II. ....S		9 19 41.43	7	-1 5.73	+10 57 40.09	7	+15 32.57
	♌ Leonis.....		9 53 9.16	7		+8 40 57.11	1	
	♌ Leonis		10 1 15.09	7		+12 37 3.35	1	
	♌ Leonis.....	JS	9 53 9.12	7		+8 40 59.23	1	
	♌ Leonis .....		...			+12 37 2.45	1	
	Moon II. ....S		10 11 44.05	7	-1 4.03	+7 14 20.86	5	+15 19.82
	♌ Sextantis		10 35 43.49	7		+4 16 48.29	1	
	♌ Leonis.....		...			+4 20 1.47	1	
	♌ Sextantis	G	10 35 43.45	7		+4 16 48.59	1	
	♌ Leonis.....		10 53 39.42	7		+4 20 2.62	1	
	Moon II. ....S		11 1 21.45	7	-1 2.72	+3 16 14.50	7	+15 8.42
	♌ Leonis		11 23 29.12	7		-2 15 57.03	1	
	♌ Piscium	G	0 55 59.76	7		...		
	Moon I. ....S		1 0 12.78	7	+1 7.50	+6 5 27.77	7	+16 8.55
	♌ Piscium		1 38 19.81	7		+8 28 54.75	1	
	♌ Piscium	G	1 38 19.76	7		+8 28 54.29	1	
	Moon I. ....S		1 56 57.49	7	+1 8.36	+10 15 36.98	7	+16 9.47
	♌ Ceti		2 37 42.96	7		+9 32 44.58	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Jan. 24	Moon I.	G	h m s 2 55 12.49	7	m s +1 9.34	° ' "		' "
	f Tauri		3 23 29.97	7		...		
	e Tauri		3 40 56.83	4		...		
25	e Tauri	JS	3 40 56.76	6		+10 43 36.60	1	
	Moon I. ....S		3 55 1.35	7	+1 10.17	+16 25 33.92	7	+16 7.46
	e Tauri		4 20 49.10	7		+18 52 44.65	1	
	a Tauri		4 28 15.57	7		+16 14 7.91	1	
26	e Tauri	G	4 20 49.14	6		+18 52 45.00	1	
	a Tauri		4 28 15.54	7		+16 14 7.40	1	
	Moon I. ....S		4 55 59.19	7	+1 10.58	+17 58 7.51	7	+16 4.34
	ζ Tauri		5 29 40.26	7		+21 3 18.46	1	
29	λ Geminorum....	G	7 10 25.38	7		...		
	68 Geminorum ...		7 25 59.41	7		+16 6 30.61	1	
	Moon I. ....S		7 56 16.66	7	+1 8.06	+15 27 33.13	7	+15 45.06
	29 Cancrī		8 21 10.61	7		+14 38 52.84	1	
	A ¹ Cancrī		8 35 51.02	7	...	+13 9 18.13	1	
30	A ¹ Cancrī	CF	...			+13 9 18.45	1	
	Moon	N	...		...	+13 7 50.07	7	-15 25.60
	h Leonis .....		...			+10 18 4.42	1	
	o Leonis .....		...			+10 29 47.83	1	
Feb. 5	α Virginis	CF	13 18 9.53	7		-10 27 41.20	1	
	Moon II. ....S		13 51 20.41	7	-1 2.14	-10 6 50.80	7	+14 48.69
	κ Virginis		14 5 46.22	7		-9 38 55.86	1	
	λ Virginis		14 11 52.91	7		-12 45 9.68	1	
6	κ Virginis	JS	14 5 46.06	7	...	-9 38 54.80	1	
	λ Virginis		14 11 52.85	7		-12 40 8.66	1	
	Moon II. ....S		14 39 32.35	7	-1 2.82	-13 11 9.26	7	+14 48.30
	α ² Libræ		14 43 29.20	7		...		
7	ι Libræ	CF	15 4 36.09	7		-19 16 49.68	1	
	Moon II.S		15 28 57.29	7	-1 3.76	-15 42 0.60	7	+14 50.80
	β Scorpii		15 57 39.54	7		-19 26 2.11	1	

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Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Feb. 22	γ Tauri	JS	h m s 4 12 11.28	7	m s	+15° 17' 59".65	1	" "
	ϵ Tauri		4 20 48.65	7		+18 52 44.52	1	
	Moon I.....S		4 37 41.19	7	+1 10.19	+17 25 27.02	7	+16 2.43
	ζ Tauri		5 29 39.83	7		+21 3 20.83	1	
23	η Tauri	CF	5 24 22.89	7		+18 29 20.91	1	
	ζ Tauri		5 29 39.72	7		+21 3 21.50	1	
	Moon I.....S		5 38 3.29	7	+1 9.91	+18 8 51.65	7	+15 55.05
	ν Orionis .....		...			+14 46 41.69	1	
24	ν Orionis	JS	5 59 56.83	7		+14 46 41.74	1	
	γ Geminorum.....		6 29 59.79	7		+16 30 26.80	1	
	Moon I.....S		6 37 36.68	7	+1 9.10	+17 42 1.34	7	+15 47.36
	ζ Geminorum.....		6 56 11.13	7		+20 45 39.77	1	
	δ Geminorum.....		7 12 8.85	7		+22 13 23.89	1	
26	ζ Cancri	JS	...			+18 2 44.71	1	
	d^1 Cancri .....		...			+18 45 23.12	1	
	Moon	N	...		...	+14 13 52.03	5	-15 31.22
	α Cancri.....		...			+12 22 13.37	1	
	κ Cancri.....		...			+11 12 5.58	1	
Mar. 1	c Leonis.....	CF	10 53 50.05	5		+ 6 48 59.93	1	
	χ Leonis.....		10 58 8.26	7		+ 8 3 22.59	1	
	Moon II. ....N		11 8 24.04	7	-1 2.63	+ 3 27 56.74	7	-15 7.12
	ν Leonis.....		11 30 7.23	7		- 0 5 16.24	1	
	β Virginis		11 43 44.92	7		+ 2 30 59.38	1	
2	ν Leonis	JS	11 30 7.34	7		- 0 5 16.98	1	
	β Virginis		11 43 45.01	7		+ 2 30 58.48	1	
	Moon II. ....S		11 56 51.36	6	-1 2.01	- 1 2 38.90	6	+15 0.00
	η Virginis .....		...		...	+ 0 4 28.97	1	
	γ Virginis (1st Star)		...		...	- 0 42 58.16	1	
3	η Virginis	CF	12 13 5.09	7		+ 0 4 29.45	1	
	Moon II.....		12 44 37.05	7	-1 1.78	...		...
5	λ Virginis.....	CF	14 11 53.66	7		...		
	Moon II. ....S		14 20 15.10	7	-1 2.39	-11 51 16.42	7	+14 46.96
	γ Libræ.....		14 38 36.51	7		-14 53 36.01	1	
	α^2 Libræ.....		14 43 29.86	7		-15 28 59.67	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866, Mar. 9	η Ophiuchi.....	CF	h m s 17 2 42.83	7	m s	-15° 33' 15".74	1	' "
	Moon II.....		17 43 5.20	7	-1 5.82	...		...
21	Moon I.....	CF	4 17 30.35	7	+1 11.03	...		...
22	Moon I.....	CF	5 19 12.71	7	+1 10.64	...		...
24	ζ Geminorum.....	JS	6 56 10.87	7		+20 45 39.91	1	
	λ Geminorum.....		7 10 24.77	7		+16 46 34.32	1	
	Moon I.....N		7 18 18.67	7	+1 8.26	+17 9 46.64	7	-15 42.20
	3 Cancri.....		7 53 7.74	7		+17 40 11.99	1	
	8 Cancri.....		7 57 37.98	7		+13 29 38.11	1	
25	3 Cancri.....	CF	7 53 7.98	7		+17 40 12.19	1	
	8 Cancri.....		7 57 38.00	7		+13 29 40.00	1	
	Moon I.....N		8 14 27.65	7	+1 6.64	+14 59 37.70	7	-15 31.32
	Δ ¹ Cancri.....		8 35 50.84	7		+13 9 18.80	1	
	α Cancri.....		8 51 11.06	6		+12 22 14.43	1	
26	Δ ¹ Cancri.....	G	8 35 50.79	7		+13 9 20.27	1	
	α Cancri.....		8 51 10.96	7		+12 22 14.79	1	
	Moon I.....N		9 8 7.50	7	+1 5.05	+12 4 34.29	7	-15 21.49
	ο Leonis.....		9 34 1.60	7		+10 29 47.26	1	
	18 Leonis.....		9 39 12.00	7		+12 25 18.21	1	
27	ο Leonis.....	JS	9 34 1.51	7		+10 29 46.65	1	
	18 Leonis.....		9 39 11.83	7		+12 25 19.00	1	
	Moon I.....N		9 59 32.05	7	+1 3.66	+ 8 37 12.56	7	-15 12.86
	44 Leonis.....		10 18 13.28	7		+ 9 27 38.80	1	
	ρ Leonis.....		10 25 47.21	7		+ 9 59 29.12	1	
28	44 Leonis.....	CF	10 18 12.93	7		+ 9 27 43.06	1	
	ρ Leonis.....		10 25 47.13	7		+ 9 59 27.99	1	
	Moon I.....N		10 49 8.75	7	+1 2.59	+ 4 49 33.85	7	-15 5.19
	φ Leonis.....		11 9 53.04	7		- 2 55 25.99	1	
29	φ Leonis.....	JS	11 9 53.04	7		- 2 55 25.53	1	
	υ Leonis.....		11 30 7.42	7		- 0 5 16.71	1	
	Moon I.....N		11 37 29.30	7	+1 1.90

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Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Mar. 30	η Virginis.....	G	h n s 12 13 5'30	7	m s	+ 0 4 27.79	1	' "
	Moon I.....	N	12 25 8'83	7	+1 1'60	- 3 2 17.41	7	-14 53'17
	48 Virginis.....		12 57 2'56	7		- 2 56 40.12	1	
	θ Virginis.....		13 3 3'10	7		- 4 49 32.34	1	
31	48 Virginis.....	CF	12 57 2'40	7		- 2 56 38.79	1	
	θ Virginis.....		13 3 3'17	7		- 4 49 32.09	1	
	Moon II.....	N	13 14 42.04	7	-1 1'69	- 6 46 36.23	5	-14 48'89
	λ Virginis.....		13 25 57.11	7		...		
Apr. 1	λ Virginis.....	JS	13 25 57.22	7		- 9 28 34.59	1	
	m Virginis.....		13 34 37.33	7		- 8 1 39.62	1	
	Moon II.....	S	14 2 31.43	7	-1 2'08	-10 40 49.18	5	+14 46'09
	5 Libræ.....		14 38 37.03	7		-14 53 37.91	1	
	α^2 Libræ.....		14 43 30.49	7		-15 29 3.55	1	
5	29 Ophiuchi.....	G	16 54 3'06	7		-18 41 2.34	1	
	η Ophiuchi.....		17 2 43.53	7		-15 33 18.08	1	
	Moon II.....	S	17 22 51.14	7	-1 4'99	-18 27 12.00	5	+14 53'64
	4 Sagittarii.....		17 51 38.23	7		-23 47 54.05	1	
	μ^1 Sagittarii.....		18 5 46.51	7		-21 5 18.97	1	
7	ξ^2 Sagittarii.....	G	18 49 45.28	7		-21 16 36.40	1	
	π Sagittarii.....		19 1 48.79	7		...		
	Moon II.....		19 8 57.54	7	-1 6'06	...		...
	f Sagittarii.....		19 38 33.55	7		...		
20	γ Geminorum.....	CF	6 29 58.85	7		...		
	Moon I.....		6 58 15.95	7	+1 9'75	...		...
21	6 Canis Minoris..	JS	7 22 21.09	7		+12 16 38.38	1	
	f Geminorum.....		7 31 45.07	7		+17 58 25.45	1	
	Moon I.....	N	7 56 31.82	7	+1 7'85	+15 48 55.97	5	-15 43'57
	29 Cancri.....		8 21 9.67	7		+14 38 54.81	1	
	A^1 Cancri.....		8 35 50.41	7		+13 9 20.00	1	
22	29 Cancri.....	G	8 21 9.66	7		+14 38 56.39	1	
	A^1 Cancri.....		8 35 50.44	7		+13 9 20.82	1	
	Moon I.....	N	8 51 40.85	7	+1 5'94	+13 4.45.60	7	-15 29'91
	λ Leonis.....		9 24 47.86	7		+10 18 3.93	1	
	ϵ Leonis.....		9 34 1.28	7		+10 29 46.95	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Apr. 23	α Leonis.....	CF	h m s 9 34 1'29	7	m s	+10° 29' 46".25	1	' "
	Moon I.....N		9 43 58'.79	7	+1 4'.23	+9 45 4'.09	7	-15 17'.76
	δ Leonis.....		10 20 35'.89	7		+10 26 28'.96	1	
	ρ Leonis.....		10 25 46'.85	7		+9 59 29'.49	1	
24	δ Leonis.....	G	10 20 35'.94	7		+10 26 28'.10	1	
	ρ Leonis.....		10 25 46'.85	7		+9 59 29'.88	1	
	Moon I.....N		10 33 58'.75	7	+1 2'.89	+6 2 45'.59	7	-15 7'.55
	γ Leonis.....		11 6 55'.85	7		+0 39 17'.23	1	
	σ Leonis.....		11 14 15'.40	7		+6 45 34'.38	1	
28	α Virginis.....	JS	...			-10 27 50'.64	1	
	λ Virginis.....		13 25 57'.27	7		-9 28 32'.50	1	
	Moon I.....N		13 44 22'.00	7	+1 1'.81	-9 6 4'.21	5	-14 45'.37
	κ Virginis.....		14 5 47'.54	7		-9 39 2'.08	1	
	λ Virginis.....		14 11 54'.39	7		-12 45 19'.87	1	
May 1	θ Libræ.....	JS	...			-16 20 0'.63	1	
	β Scorpii.....		...			-19 26 9'.60	1	
	Moon.....N		...		...	-16 42 21'.40	7	-14 45'.63
	B.A.C. 5579.....		...			-17 28 43'.06	1	
	B.A.C. 5695.....		...			-16 35 20'.30	1	
5	δ Sagittarii.....	G	19 9 49'.71	7		-19 11 5'.68	1	
	ν Sagittarii.....		19 14 5'.20	7		-16 12 1'.32	1	
	Moon II.....N		19 43 28'.93	7	-1 5'.61	-15 58 29'.89	7	-15 11'.42
	α^2 Capricorni.....		20 10 38'.53	7		-12 57 16'.58	1	
	ρ Capricorni.....		20 21 14'.37	7		-18 15 1'.84	1	
6	α^2 Capricorni.....	CF	20 10 38'.74	7		-12 57 15'.86	1	
	ρ Capricorni.....		20 21 14'.37	7		-18 15 1'.55	1	
	Moon II.....N		20 36 40'.26	7	-1 5'.73	-13 35 13'.47	7	-15 23'.25
	ν Aquarii.....		21 2 18'.70	7		-11 54 34'.66	1	
	18 Aquarii.....		21 16 52'.83	7		-13 26 52'.46	1	
20	α Cancri.....	JS	8 51 10'.23	7		+12 22 15'.63	1	
	κ Cancri.....		9 0 30'.05	7		+11 12 7'.78	1	
	Moon I.....N		9 25 47'.47	7	+1 5'.64	+11 8 16'.28	6	-15 32'.48
	π Leonis.....		9 53 8'.95	7		+8 40 56'.23	1	
	α Leonis.....		10 1 15'.17	7		+12 37 3'.76	1	

478 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. May 21	α Leonis	G	h m s 10 1 15'14	7	m s	+12° 37' 3"81	1	' "
	Moon I. ....N		10 17 30'31	7	+1 3'89	+ 7 28 1'17	3	—15 18'69
	δ Leonis.....		10 53 39'96	7		+ 4 19 57'81	1	
	χ Leonis		10 58 7'76	7		+ 8 3 23'39	1	
22	δ Leonis.....	CF	10 53 39'94	7		+ 4 19 57'20	1	
	χ Leonis		10 58 7'76	7		+ 8 3 24'72	1	
	Moon I. ....N		11 6 53'42	7	+1 2'60	+ 3 33 38'64	5	—15 6'97
	ϵ Leonis		11 23 29'83	7		— 2 16 5'82	1	
	ν Leonis.....		11 30 7'03	7		— 0 5 16'45	1	
23	ϵ Leonis	G	11 23 29'80	7	..	— 2 16 6'27	1	
	ν Leonis		11 30 6'98	7		— 0 5 15'64	1	
	Moon I. ....N		11 54 45'59	7	+1 1'83	— 0 24 18'15	7	—14 57'77
	η Virginis		12 13 4'98	7		+ 0 4 30'62	1	
	γ Virginis (1st Star)		12 34 54'33	7		— 0 42 58'93	1	
24	η Virginis.....	OF	12 13 5'04	7		+ 0 4 30'88	1	
	γ Virginis (1st Star)		12 34 54'38	7		— 0 42 56'49	1	
	Moon I. ....N		12 41 54'26	7	+1 1'53	— 4 16 48'17	7	—14 51'08
	θ Virginis.....		13 3 3'16	7		— 4 49 31'06	1	
	α Virginis.....		13 18 10'59	7		—10 27 49'39	1	
25	θ Virginis.....	JS	13 3 3'15	7		— 4 49 31'10	1	
	α Virginis.....		13 18 10'58	7		—10 27 49'93	1	
	Moon I. ....N		13 29 2'02	7	+1 1'68	— 7 55'39'41	5	—14 46'70
	94 Virginis		13 59 14'79	7		— 8 15 11'43	1	
	κ Virginis.....		14 5 47'57	7		— 9 39 0'99	1	
26	94 Virginis	JS	...			— 8 15 9'27	1	
	κ Virginis.....		...			— 9 39 0'07	1	
	Moon .....N		...		...	—11 12 56'56	5	—14 44'44
	5 Libræ.....		...			—14 53 39'22	1	
	α^2 Libræ.....		...			—15 29 3'34	1	
June 4	ξ Aquarii.....	G	21 30 38'95	7		— 8 26 57'58	1	
	λ Capricorni.....		21 39 21'04	7		—11 58 40'09	1	
	Moon II. ....N		22 5 28'35	7	—1 5'39	— 8 8 49'13	7	—15 35'95
	κ Aquarii		22 30 50'59	7		— 4 54 55'13	1	
	λ Aquarii		22 45 38'84	7		— 8 17 17'26	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. June 5	κ Aquarii	JS	h m s 22 30 50.45	7	m s	— 4 54 52.33	1	' "
	λ Aquarii		22 45 38.84	7		— 8 17 16.20	1	
	Moon II. ....N		22 58 27.80	7	—1 5.77	— 4 2 30.37	7	—15 48.58
	κ Piscium		23 20 5.23	7		+ 0 31 30.66	1	
	20 Piscium		23 41 4.36	7		— 3 30 12.51	1	
8	Moon II.	JS	1 45 43.97	7	—1 9.31	...		...
21	48 Virginis	G	12 57 2.23	7		— 2 56 36.65	1	
	θ Virginis		13 3 2.91	7		— 4 49 31.69	1	
	Moon I. ....N		13 12 53.07	7	+1 1.84	— 6 30 25.70	7	—14 51.77
	λ Virginis		13 25 57.00	7		— 9 28 33.08	1	
	m Virginis		13 34 37.13	7		— 8 1 40.72	1	
22	λ Virginis	CF	13 25 57.01	7		— 9 28 33.48	1	
	m Virginis		13 34 37.14	7		— 8 1 39.09	1	
	Moon I. ....N		14 0 23.99	7	+1 2.11	— 9 58 6.85	7	—14 47.37
	2 Libræ		14 16 15.82	7		—11 6 7.17	1	
	5 Libræ		14 38 37.31	7		—14 53 40.44	1	
23	2 Libræ	G	14 16 15.74	7		—11 6 7.76	1	
	5 Libræ		14 38 37.40	7		—14 53 39.30	1	
	Moon I. ....N		14 48 40.23	7	+1 2.72	—12 58 56.94	7	—14 45.75
	ζ^1 Libræ .....		...			—16 14 51.43	1	
	γ Libræ		15 28 4.96	7		—14 20 27.38	1	
24	ζ^1 Libræ	G	15 20 45.21	7		—16 14 51.00	1	
	γ Libræ		15 28 4.93	7		—14 20 25.56	1	
	Moon I. ....N		15 38 6.41	7	+1 3.52	—15 25 28.29	4	—14 46.50
	β^1 Scorpii		15 57 42.04	7		—19 26 8.83	1	
	ν Scorpii		16 4 15.80	7		—19 6 33.47	1	
25	β^1 Scorpii	CF	15 57 42.15	7		—19 26 7.83	1	
	ν Scorpii		16 4 15.80	7		—19 6 34.14	1	
	Moon I. ....N		16 28 54.27	7	+1 4.35	—17 10 21.75	3	—14 49.16
	29 Ophiuchi		16 54 4.34	7		—18 41 1.59	1	
28	σ Sagittarii	CF	18 56 42.46	7		—21 55 47.98	1	
	Moon II. ....N		19 9 53.84	7	—1 5.72	—17 17 15.55	7	—15 6.14
	σ^2 Sagittarii		19 34 54.52	7		—16 25 49.93	1	
	g Sagittarii		19 50 24.10	7		—15 50 21.43	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866.			h m s		m s			
June 29	α Sagittarii	JS	19 34 54.34	7		-16° 25' 50".25	1	" "
	Moon II.	N	20 3 33.51	7	-1 5.65	-15 29.32.61	7	-15 13.79
July 18	Moon I.	N	12 54 35.69	7	+1 2.24	-4 48 28.78	7	-15 0.12
	α Virginis.		13 18 10.08	7		-10 27 46.54	1	
	λ Virginis.		13 25 56.72	7		-9 28 30.95	1	
19	α Virginis.	JS	13 18 10.01	7		-10 27 46.78	1	
	λ Virginis.		13 25 56.68	7		-9 28 30.11	1	
	Moon I.	N	13 42 26.66	7	+1 2.23	-8 27 15.92	7	-14 53.00
	κ Virginis.		14 5 47.17	7		-9 38 59.13	1	
	λ Virginis.		14 11 53.95	7		-12 45 14.35	1	
20	κ Virginis.	CF	...			-9 38 57.91	1	
	λ Virginis. ....		...			-12 45 15.13	1	
	Moon.	N	...		...	-11 41 2.32	7	-14 48.87
	α^2 Libræ. ....		...			-15 29 2.57	1	
	β^1 Libræ. ....		...			-19 16 59.81	1	
21	β^1 Libræ.	G	15 4 37.97	7		-19 17 0.33	1	
	Moon I.	N	15 19 31.27	7	+1 3.26	-14 22 53.01	4	-14 47.67
	θ Libræ.		15 46 14.85	7		-16 19 59.89	1	
	β^1 Scorpii.		15 57 41.99	7		-19 26 9.94	1	
22	β^1 Scorpii.	G	15 57 41.98	7		-19 26 9.34	1	
	Moon I.	N	16 9 40.24	7	+1 4.08	-16 25 58.18	7	-14 49.24
	ϕ Ophiuchi.		16 23 31.43	7		-16 18 59.94	1	
	B.A.C. 5579.		16 33 52.69	7		-17 28 43.23	1	
23	B.A.C. 5579.	JS	16 33 52.62	7		-17 28 42.72	1	
	Moon I.	N	17 1 10.04	7	+1 4.88	-17 43 41.10	7	-14 53.29
	ξ Serpentis.		17 29 58.16	7		-15 18 30.24	1	
	58 Ophiuchi.		17 35 27.45	7		-21 36 44.63	1	
24	ξ Serpentis.	G	17 29 58.21	7		-15 18 30.90	1	
	58 Ophiuchi.		17 35 27.61	7		-21 36 44.36	1	
	Moon I.	N	17 53 55.84	7	+1 5.55	-18 10 9.21	7	-14 59.41
	21 Sagittarii.		18 17 25.76	7		-20 36 24.68	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866.			h m s		m s			
July 26	α Sagittarii.....	JS	19 9 51.09	7		-19° 11' 2".85	1	" "
	ρ^1 Sagittarii		19 13 57.43	7		-18 5 31.06	1	
	Moon I.....N		19 41 50.26	7	+1 6.08	-16 15 41.93	7	-15 15.74
	α^3 Capricorni.....		20 10 40.44	7		-12 57 7.72	1	
	ρ Capricorni.....		20 21 16.40	7		-18 14 54.56	1	
27	α^3 Capricorni.....	CF	20 10 40.41	7		-12 57 7.36	1	
	ρ Capricorni.....		20 21 16.40	7		-18 14 54.96	1	
	Moon II. ....N		20 38 17.78	7	-1 5.99	-13 55 49.07	7	-15 24.84
	ν Aquarii		21 2 20.86	7		-11 54 21.59	1	
	18 Aquarii.....		21 16 55.13	7		-13 26 41.72	1	
28	ν Aquarii	G	21 2 20.97	7		-11 54 21.64	1	
	18 Aquarii.....		21 16 55.31	7		-13 26 41.74	1	
	Moon II. ....N		21 32 17.84	7	-1 5.80	-10 47 40.30	3	-15 33.75
	θ Aquarii.....		22 9 48.77	7		-8 26 35.85	1	
	ρ Aquarii		22 13 11.89	7		-8 29 11.25	1	
Aug. 19	ν Scorpii	G	16 4 15.37	7		-19 6 33.03	1	
	ψ Ophiuchi		16 16 18.63	7		-19 43 12.22	1	
	Moon I.....N		16 40 7.83	7	+1 4.43	-17 7 12.75	7	-14 50.76
	η Ophiuchi		17 2 44.71	7		-15 33 13.27	1	
	ξ Ophiuchi.....		17 13 1.58	7		-20 57 50.34	1	
20	η Ophiuchi.....	JS	17 2 44.56	4		-15 33 12.67	1	
	ξ Ophiuchi.....		17 13 1.57	7		-20 57 49.77	1	
	Moon I.....N		17 32 0.89	4	+1 5.15	-17 56 19.93	3	-14 55.89
21	μ^1 Sagittarii	CF	18 5 48.27	7		-21 5 13.94	1	
	α^1 Sagittarii		18 17 25.57	7		-20 36 26.21	1	
	Moon I.....N		18 25 0.72	7	+1 5.74	-17 52 37.07	7	-15 3.46
22	ϵ Sagittarii	CF	18 56 42.44	7		-21 55 50.66	1	
	π Sagittarii		19 1 51.01	7		-21 13 45.52	1	
	Moon I.....N		19 18 51.38	7	+1 6.11	-16 53 6.98	7	-15 13.22
	f Sagittarii.....		19 38 36.19	7		-20 4 31.40	1	
	57 Sagittarii		19 44 28.13	7		-19 22 36.08	1	

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Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Aug. 23	<i>f</i> Sagittarii	G	h m s 19 38 35.94	7	m s	-20 4 34.03	1	" "
	57 Sagittarii		19 44 27.97	7		-19 22 37.93	1	
	Moon L.....S		20 13 13.77	7	+1 6.27	-15 28 35.68	7	+15 24.16
	ϵ Aquarii.....		20 40 28.65	7		-9 58 39.90	1	
25	β Aquarii	JS	21 24 33.66	7		-6 9 8.44	1	
	ξ Aquarii.....		21 30 40.46	7		-8 26 48.36	1	
	Moon I.....N		22 2 27.85	7	+1 6.30	-8 36 24.14	6	-15 46.50
	67 Aquarii		22 36 17.75	7		-7 39 24.52	1	
	λ Aquarii.....		22 45 40.74	7		-8 17 3.68	1	
29	ν Piscium	CF	1 34 30.67	7		+4 48 47.00	1	
	Moon II.....N		1 47 1.95	7	-1 8.19	+8 52 3.37	7	-16 12.55
	ζ^1 Ceti		2 5 57.04	7		+8 13 14.93	1	
	ζ^2 Ceti		2 21 5.25	7		+7 51 40.96	1	
Sept. 15	β^1 Scorpii	G	15 57 41.05	7		...		
	ν Scorpii		16 4 14.93	7		...		
	Moon I.....		16 19 22.89	7	+1 3.94	...		...
	η Ophiuchi		17 2 44.15	7		...		
16	η Ophiuchi	G	17 2 44.25	7		-15 33 13.23	1	
	Moon I.....		17 10 23.71	7	+1 4.57	...		...
	ξ Serpentis.....		17 29 57.45	7		-15 18 29.33	1	
	B.A.C. 6065		17 48 39.32	7		-15 46 56.70	1	
17	ξ Serpentis.....	JS	17 29 57.49	7		-15 18 29.49	1	
	B.A.C. 6065		17 48 39.30	7		-15 46 56.41	1	
	Moon I.....N		18 2 19.35	7	+1 5.13	-17 55 14.36	7	-14 55.80
	21 Sagittarii		18 17 25.11	7		-20 36 25.12	1	
	B.A.C. 6279		18 21 36.43	7	.	-14 38 38.85	1	
18	21 Sagittarii	CF	...			-20 36 24.73	1	
	B.A.C. 6279		18 21 36.38	7		-14 38 39.26	1	
	Moon I.....S		18 55 3.81	7	+1 5.58	-17 51 27.15	7	+15 4.27
	d Sagittarii.....		19 9 50.64	7		-19 11 2.58	1	
	ν Sagittarii.....		19 14 6.07	7		-16 11 55.93	1	

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Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Sept. 19	α Sagittarii.....	G	h m s 19 9 50.66	7	m s	$-19^{\circ} 11' 2'' 92$	1	' "
	ν Sagittarii.....		19 14 6.19	7		$-16 11 57.48$	1	
	Moon I.....S		19 48 27.82	7	+1 5.90	$-16 23 21.86$	3	+15 15.39
	α^2 Capricorni.....		20 10 40.29	7		$-12 57 8.62$	1	
	ρ Capricorni.....		20 21 16.26	7		$-18 14 57.47$	1	
20	α^2 Capricorni.....	JB	...			$-12 57 8.16$	1	
	Moon I.....S		20 42 21.95	7	+1 6.11	$-14 1 56.75$	7	+15 28.31
	ν Aquarii.....		21 2 26.90	7		$-11 54 21.48$	1	
	ξ Aquarii.....		21 30 46.43	7		$-8 26 47.94$	1	
21	ν Aquarii.....	G	21 2 26.82	7		$-11 54 21.31$	1	
	ξ Aquarii.....		21 30 46.34	7		$-8 26 48.36$	1	
	Moon I.....S		21 36 44.15	7	+1 6.33	$-10 51 11.21$	7	+15 42.24
	θ Aquarii.....		22 9 49.12	7		$-8 26 33.24$	1	
	σ Aquarii.....		22 23 36.65	7		$-11 21 20.34$	1	
22	θ Aquarii.....	OF	22 9 49.17	7		$-8 26 31.08$	1	
	σ Aquarii.....		22 23 36.84	7		$-11 21 20.19$	1	
	Moon I.....S		22 31 31.75	7	+1 6.64	$-6 58 45.84$	7	+15 56.01
	ϕ Aquarii.....		23 7 26.50	7		$-6 45 49.61$	1	
	η Aquarii.....		23 12 30.65	7		$-5 50 54.68$	1	
23	ϕ Aquarii.....	OF	23 7 26.37	7		$-6 45 49.53$	1	
	η Aquarii.....		23 12 30.53	6		$-5 50 57.68$	1	
	Moon I.....S		23 27 2.99	7	+1 7.13	$-2 36 10.81$	7	+16 8.44
	λ Piscium.....		23 45 9.94	7		$+2 11 33.52$	1	
	μ Piscium.....		0 18 35.71	7		$+1 12 14.14$	1	
24	λ Piscium.....	JS	23 45 9.90	6		$+2 11 32.88$	1	
	μ Piscium.....		0 18 35.69	7		$+1 12 13.38$	1	
	Moon II.....N		0 25 50.38	7	-1 7.85	$+2 33 50.90$	5	-16 18.16
	δ Piscium.....		0 41 47.64	7		$+6 51 46.62$	1	
	ϵ Piscium.....		0 56 3.10	7		$+7 10 25.51$	1	
26	σ Piscium.....	OF	1 38 22.78	7		$+8 29 12.76$	1	
	ξ^1 Oeti.....		2 5 57.60	7		$+8 13 15.87$	1	
	Moon II.....N		2 23 10.59	7	-1 9.80	$+11 16 46.07$	7	-16 26.41

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Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Sept. 27	μ Ceti	JS	h m s 2 37 45.76	7	m s	+ 9 33' 0".74	1	" "
	λ Ceti		2 52 35.76	7		+ 8 22 28.99	1	
	Moon II.....N		3 24 8.61	7	-1 10.70	+14 41 43.01	3	-16 24.77
	γ Tauri		4 12 13.48	7		+15 18 8.96	1	
	ϵ Tauri		4 20 51.07	7		+18 52 51.98	1	
28	γ Tauri	CF	4 12 13.60	7		+15 18 9.71	1	
	ϵ Tauri		4 20 51.20	7		+18 52 52.63	1	
	Moon II.....N		4 26 12.37	7	-1 11.19	+17 5 43.41	5	-16 19.83
	η Orionis		4 56 57.96	7		+15 12 53.69	1	
	ι Orionis		5 2 4.94	7		+15 25 24.14	1	
Oct. 17	ξ^1 Capricorni	JS	20 4 34.97	7		-12 46 56.28	1	
	α^2 Capricorni		20 10 39.78	7		-12 57 8.94	1	
	Moon I.....S		20 18 16.41	7	+1 5.34	-15 13 32.02	5	+15 13.45
	ϵ Aquarii		20 40 28.06	7		- 9 58 41.40	1	
	μ Aquarii		20 45 28.25	7		- 9 28 39.27	1	
20	γ Aquarii	JS	22 47 38.79	7		- 7 54 33.69	1	
	Moon I.....S		22 58 47.19	7	+1 6.56	- 4 53 45.12	7	+15 58.65
	λ Piscium		23 35 16.28	7		+ 1 2 59.40	1	
	α Piscium		23 41 6.82	7		- 3 29 58.22	1	
21	λ Piscium	JS	23 35 16.12	7		+ 1 2 58.26	1	
	α Piscium		23 41 6.70	7		- 3 29 58.80	1	
	Moon I.....S		23 54 20.00	7	+1 7.49	- 0 23 11.36	5	+16 14.00
	δ Piscium		0 13 46.01	7		+ 7 27 9.69	1	
	θ Piscium		0 41 47.74	7		+ 6 51 42.14	1	
22	δ Piscium	G	0 13 45.94	7		+ 7 27 10.00	1	
	θ Piscium		0 41 47.71	7		+ 6 51 41.74	1	
	Moon I.....S		0 51 40.38	7	+1 8.68	+ 4 16 35.78	7	+16 26.84
	ν Piscium		1 34 31.45	7		+ 4 48 47.39	1	
	ϕ Piscium		1 38 23.14	7		+ 8 29 14.39	1	
23	ϕ Piscium	JS	1 38 23.14	7		+ 8 29 13.46	1	
	Moon II.....S		1 53 31.13	7	-1 10.05	+ 8 45 35.26	6	+16 35.71
	μ Ceti .....		...			+ 9 32 59.99	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Oct. 24	ξ^2 Ceti	CF	h m s 2 21 6.22	7	m s	+ 7 51' 45" 46	1	" "
	μ Ceti		2 37 46.11	7		+ 9 33 2.28	1	
	Moon II. ....N		2 55 22.13	7	-1 11.37	+13 14 33.90	7	-16 39.58
	γ Tauri		3 23 32.68	7		+12 28 40.56	1	
	λ Tauri		3 53 19.40	7		+12 6 40.78	1	
26	ϵ Tauri	CF	4 20 52.12	7		+18 52 52.83	1	
	α Tauri		4 28 18.23	7		+16 14 16.63	1	
	Moon II. ....N		5 3 48.54	7	-1 12.54	+18 2 46.13	7	-16 31.71
	ζ Tauri		5 29 42.07	7		+21 3 23.11	1	
	χ^1 Orionis		5 46 30.85	7		+20 14 46.53	1	
Nov. 13	Moon I.	G	19 58 34.84	7	+1 4.64	...		...
	β Capricorni		20 13 31.22	7		...		
14	Moon I.	CF	20 50 9.79	7	+1 4.67	...		...
16	θ Aquarii	CF	22 9 48.45	5		- 8 26 36.12	1	
	σ Aquarii		22 23 36.10	7		-11 21 25.31	1	
	Moon I. ....S		22 33 58.07	7	+1 5.27	- 6 59 16.98	7	+15 38.04
	γ Aquarii		22 47 38.38	7		- 7 54 36.12	1	
17	δ Aquarii	JS	...			- 7 46 26.93	1	
	Moon I. ....S		23 27 5.21	7	+1 6.07	- 2 45 53.79	7	+15 54.36
	21 Piscium		23 42 39.02	5		+ 0 20 18.99	1	
	27 Piscium		23 51 52.02	7		- 4 17 36.61	1	
18	21 Piscium	CF	23 42 39.09	7		+ 0 20 19.38	1	
	27 Piscium		23 51 52.05	7		- 4 17 35.88	1	
	Moon I. ....S		0 21 51.76	7	+1 7.28	+ 1 45 28.41	5	+16 10.87
	δ Piscium		0 41 47.69	7		+ 6 51 41.63	1	
	ϵ Piscium		0 56 3.18	7		+ 7 10 26.61	1	
19	δ Piscium	G	0 41 47.62	7		+ 6 51 42.03	1	
	ϵ Piscium		0 56 3.13	7		+ 7 10 25.11	1	
	Moon I. ....S		1 18 59.21	7	+1 8.88	+ 6 19 31.16	7	+16 26.09
	ϵ Piscium		1 38 23.25	7		+ 8 29 14.29	1	
	ξ^1 Ceti		2 5 58.08	7		+ 8 13 15.35	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1866. Nov. 21	μ Ceti	G	h m s 2 37 46.29	7	m s	+ 9 33 0.70	1	" "
	σ Arietis		2 44 10.28	7		+14 31 54.51	1	
	Moon I. ....S		3 24 3.06	7	+1 12.33	+14 13 21.95	7	+16 45.38
	δ^1 Tauri		4 15 16.99	7		+17 13 34.89	1	
	ϵ Tauri		4 20 52.20	7		+18 52 53.05	1	
22	δ^1 Tauri	JB	4 15 17.10	7		+17 13 35 61	1	
	ϵ Tauri		4 20 52.19	7		+18 52 52.55	1	
	Moon II. ....S		4 30 0.18	7	-1 13.43	+16 47 11.48	5	+16 46.67
	η Tauri		5 19 25.57	7		+17 50 32.45	1	
	ζ Tauri		5 29 42.60	7		+21 3 23.19	1	
24	γ Geminorum....	G	6 30 2.45	7		+16 30 24.63	1	
	Moon II. ....S		6 42 31.78	7	-1 12.69	+17 49 22.23	7	+16 31.81
	λ Geminorum....		7 10 27.50	7		+16 46 30.80	1	
	68 Geminorum....		7 26 1.38	7		+16 6 29.49	1	
25	λ Geminorum....	OF	7 10 27.55	7		+16 46 31.44	1	
	68 Geminorum ...		7 26 1.55	7		+16 6 28.37	1	
	Moon II. ....S		7 45 59.16	7	-1 10.95	+16 18 44.69	7	+16 17.97
	ζ^1 Cancri		8 4 35.24	7		+18 2 39.15	1	
	η Cancri		8 25 1.03	7		+20 53 19.43	1	
26	ζ Cancri	G	8 4 35.40	7		+18 2 40.00	1	
	η Cancri		8 25 1.07	7		+20 53 18.15	1	
	Moon II. ....S		8 45 59.73	7	-1 8.79	+13 44 21.06	7	+16 2.27
	ϵ Leonis		9 34 3.09	7		+10 29 42.42	1	
Dec. 14	Moon I.	OF	23 6 45.18	7	+1 4.65	...		...
17	ζ Piscium (1st Star).	OF	1 6 49.57	7		+ 6 52 15.77	1	
	ζ Piscium (2nd Star)		1 6 49.04	7		+ 6 52 26.70	1	
	ν Piscium		1 34 31.25	7		+ 4 48 47.00	1	
	Moon I.S		1 49 7.33	7	+1 8.58	+ 8 22 26.98	7	+16 17.64
	δ^1 Ceti		2 5 57.92	7		+ 8 13 16.95	1	
	μ Ceti		2 37 46.14	7		+ 9 33 0.31	1	

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Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter,
1866. Dec. 19	ϵ Tauri	G	h m s 3 40 59.99	7	m s	+10 43' 48.85	1	" "
	Moon I.	S	3 51 29.84	7	+1 12.37	+15 28 7.80	7	+16 40.19
	δ Tauri		4 20 52.55	7		+18 52 52.61	1	
	α Tauri		4 28 18.83	7		+16 14 14.05	1	
20	ϵ Tauri	JS	4 20 52.48	7		+18 52 52.59	1	.
	α Tauri		4 28 18.68	7		+16 14 14.86	1	
	Moon I.	S	4 57 7.44	7	+1 13.59	+17 30 42.62	5	+16 44.68
	ζ Tauri		5 29 43.23	7		+21 3 22.19	1	
	χ^1 Orionis		5 46 31.86	7		+20 14 45.66	1	
21	χ^1 Orionis	CF	5 46 31.90	7		+20 14 44.43	1	
	Moon II.	N	6 6 32.89	7	-1 13.78	+18 44 5.78	7	-16 43.41
	γ Geminorum		6 30 3.05	7		+16 30 24.51	1	
	ζ Geminorum		6 56 14.55	7		+20 45 32.43	1	
22	γ Geminorum	CF	6 30 3.03	7		+16 30 25.34	1	
	ζ Geminorum		6 56 14.28	7		+20 45 32.97	1	
	Moon II.	S	7 12 31.00	7	-1 12.85	+17 23 57.89	7	+16 36.25
	ι Cancri		7 49 27.37	7		+16 8 24.21	1	
	δ Cancri		7 53 56.36	7		+16 48 59.02	1	
23	ι Cancri	CF	7 49 27.29	7		+16 8 24.68	1	
	δ Cancri		7 53 56.11	7		+16 48 59.27	1	
	Moon II.	S	8 16 40.78	7	-1 11.06	+15 19 34.82	7	+16 24.31
	α Cancri		8 51 13.56	7		+12 22 5.67	1	
	κ Cancri		9 0 33.26	7		+11 11 57.91	1	
24	κ Cancri	G	9 0 33.38	7		+11 11 56.21	1	
	Moon II.	S	9 16 59.25	7	-1 8.85	+12 15 3.16	7	+16 9.02
	π Leonis		9 53 11.69	7		+8 40 44.73	1	
	α Leonis		10 1 17.60	7		+12 36 50.11	1	
1867. Jan. 14	Moon I.	JS	2 24 18.31	7	+1 8.35	+10 33 0.52	7	+16 8.19
	μ Ceti			+9 32 59.35	1	
	δ Arietis		3 4 2.49	7		+19 13 14.16	1	

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Date.	Object.	Observer.	Observed R.A.	No. of Wire.	Passage of Semi- diameter.	Observed Dec.	No. of Wire.	Semi- diameter.
1867. Jan. 15	μ^1 Ceti	CF	h m s ...		m s	+ 9 32' 55" 50	1	' "
	δ Arietis.....		3 4 2' 41	7		+19 13 13' 08	1	
	Moon I.....S		3 23 15' 19	7	+1 10' 17	+13 58 54' 73	7	+16 18' 88
	λ Tauri.....		3 53 19' 96	7		+12 6 36' 88	1	
	γ Tauri.....		4 12 14' 61	7		+15 18 5' 60	1	
16	λ Tauri.....	G	3 53 19' 87	7		+12 6 38' 03	1	
	γ Tauri		4 12 14' 78	7		+15 18 7' 52	1	
	Moon I.....S		4 25 13' 55	7	+1 11' 80	+16 32 15' 50	5	+16 27' 58
	ϵ^3 Orionis		4 48 55' 02	7		+13 17 57' 43	1	
	η Orionis		4 56 59' 57	7		+15 12 50' 55	1	
17	ϵ^3 Orionis	JS	4 49 54' 95	7		+13 17 56' 95	1	
	η Orionis		4 56 59' 54	7		+15 12 49' 76	1	
	Moon I.....S		5 29 38' 32	7	+1 12' 83	+17 55 41' 42	7	+16 32' 89
	η Geminorum		6 6 52' 38	7		+22 32 24' 06	1	
	μ Geminorum		6 14 56' 37	7		+22 34 32' 54	1	
18	η Geminorum	CF	6 6 52' 44	7		+22 32 24' 43	1	
	μ Geminorum		6 14 56' 43	7		+22 34 35' 69	1	
	Moon I.....N		6 35 10' 42	7	+1 12' 94	+18 31 14' 50	7	-16 33' 96
	ζ Geminorum ....		...			+20 45 35' 23	1	
	δ Geminorum		7 12 12' 18	7		+22 13 17' 32	1	
19	ζ Geminorum	JS	6 56 14' 65	7		+20 45 33' 20	1	
	δ Geminorum		7 12 12' 21	7		+22 13 15' 81	1	
	Moon I. ....S		7 40 7' 00	7	+1 12' 05	+16 38 11' 25	5	+16 30' 16
	ζ Cancri		8 5 36' 42	7		+18 2 35' 19	1	
	η Cancri .....		...			+20 53 14' 49	1	
20	η Cancri.....	CF	8 25 2' 44	7		+20 53 13' 39	1	
	Moon II. ....S		8 45 15' 51	7	-1 10' 43	+14 6 14' 30	7	+16 21' 61
	λ Leonis.....		9 24 51' 13	7		+10 17 50' 92	1	
	ϵ Leonis		9 34 4' 37	7		+10 29 33' 00	1	
22	α Leonis.....	CF	10 1 18' 40	7		+12 36 47' 21	1	
	ρ Leonis		10 25 49' 57	7		+ 9 59 14' 58	1	
	Moon II. ....S		10 41 17' 13	7	-1 6' 57	+ 6 39 59' 64	7	+15 54' 90
	χ Leonis		10 58 10' 43	7		+ 8 3 5' 93	1	
	σ Leonis.....		11 14 17' 69	7		+ 6 45 19' 02	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867.			h m s		m s			
Jan. 23	χ Leonis	G	10 58 10.45	7		+ 8° 3' 6".13	1	" "
	σ Leonis.....		11 14 17.68	7		+ 6 45 18.54	1	
	Moon II. ....S		11 34 46.36	7	-1 4.98	+ 2 25 13.88	4	+15 39.58
	π Virginis		11 54 4.29	7		+ 7 21 13.47	1	
	η Virginis.....		12 13 6.99	7		+ 0 4 15.72	1	
24	η Virginis.....	JS	12 13 7.01	7		+ 0 4 15.59	1	
	Moon II. ....S		12 26 1.55	7	-1 3.84	- 1 48 50.16	5	+15 24.73
25	ϕ Virginis.....	CF	12 47 26.97	7		...		
	θ Virginis.....		13 3 4.51	7		...		
	Moon II.....		13 15 48.12	7	-1 3.15	...		---
Feb. 12	λ Tauri	IF	3 53 19.56	7		+12 6 34.54	1	
	Moon I. ....S		4 3 8.65	7	+1 10.09	+15 34 47.46	4	+16 10.63
	α Tauri		4 28 18.34	7		+16 14 12.57	1	
	τ Tauri		4 34 16.88	7		+22 41 50.41	1	
13	α Tauri	CF	4 28 18.34	7		+16 14 14.46	1	
	τ Tauri		4 34 16.81	7		+22 41 52.43	1	
	Moon I.....S		5 4 31.70	7	+1 11.19	+17 23 26.67	7	+16 15.45
	χ^1 Orionis		5 46 31.79	7		+20 14 46.47	1	
	ν Orionis		5 59 59.88	7		+14 46 44.26	1	
14	ν Orionis	IF	5 59 59.94	7		+14 46 42.52	1	
	Moon I. ....S		6 7 25.00	7	+1 11.71	+18 0 15.25	7	+16 18.34
	γ Geminorum....		6 30 3.00	7		+16 30 24.95	1	
	ξ Geminorum....		6 37 50.84	7		+13 1 59.71	1	
15	γ Geminorum....	JS	6 30 2.98	7		+16 30 23.87	1	
	ξ Geminorum....		6 37 50.82	7		+13 1 58.87	1	
	Moon I.....N		7 10 37.62	7	+1 11.42	+17 52 31.69	7	-16 18.72
	1 Cancri		7 49 27.75	7		+16 8 22.12	1	
	8 Cancri.....		7 57 41.39	7		+13 29 28.33	1	
16	1 Cancri	G	7 49 27.67	7		+16 8 21.68	1	
	8 Cancri		7 57 41.37	7		+13 29 27.55	1	
	Moon I.....N		8 12 53.31	7	+1 10.45	+15 58 14.96	7	-16 15.91
	8 Cancri		8 37 9.01	7		+18 38 15.88	1	
	α Cancri		8 51 14.23	7		+12 22 0.84	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867.			h m s		m s			
Feb. 17	α Cancri	OF	...			+12 21' 59"66	1	" "
	Moon	S	...		...	+12 29 19'40	7	+16 9'86
21	γ Virginis	JS	12 13 7'65	7		- 0 4 12'71	1	
	γ Virginis (one mass)		12 34 56'78	7		- 0 43 18'81	1	
	Moon II.	S	12 52 46'71	7	-1 3'92	- 3 51 44'11	4	+15 24'33
	θ Virginis		13 3 5'37	7		- 4 49 47'35	1	
	α Virginis		13 18 12'72	7		-10 28 1'86	1	
22	α Virginis	G	13 18 12'75	7		-10 28 3'37	1	
	Moon II.	S	13 43 6'02	7	-1 3'49	- 7 46 15'45	7	+15 12'46
	ϵ Virginis		14 5 49'43	7		- 9 39 12'84	1	
	λ Virginis		14 11 56'17	7		-12 45 26'43	1	
23	Moon II.	S	14 32 56'30	7	-1 3'39	-11 13 44'00	7	+15 2'26
	ϵ Libræ	CF	15 4 39'64	7		-19 17 5'42	1	
	β Libræ		15 9 52'08	7		- 8 53 22'52	1	
Mar. 13	ζ Tauri	CF	5 29 42'45	7		+21 3 23'08	1	
	Moon I.		5 47 33'01	7	+1 10'97	...		...
	μ Geminorum		6 14 55'68	7		...		
	γ Geminorum		6 30 2'69	7		...		
14	μ Geminorum	JS	6 14 55'75	7		+22 34 38'36	1	
	γ Geminorum		6 30 2'51	7		+16 30 24'21	1	
	Moon I.	N	6 49 22'43	6	+1 10'73	+18 11 6'86	7	-16 8'29
	δ Geminorum		7 12 11'74	7		+22 13 16'74	1	
	f Geminorum		7 31 48'78	7		+17 58 17'99	1	
15	δ Geminorum	CF	7 12 11'79	7		+22 13 17'66	1	
	f Geminorum		7 31 48'79	7		+17 58 17'82	1	
	Moon I.	N	7 50 21'85	7	+1 9'90	+16 44 56'01	7	-16 5'18
	η Cancri		8 25 2'25	7		+20 53 12'50	1	
	δ Cancri		8 37 8'78	7		+18 38 14'39	1	
16	δ Cancri	G	8 37 8'93	7		+18 38 16'10	1	
	Moon I.	N	8 49 43'56	7	+1 8'67	+14 15 22'35	7	-16 0'68
	λ Leonis		9 24 51'29	7		+10 17 47'79	1	
	ϵ Leonis		9 34 4'48	7		+10 29 31'59	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867.			h m s		m s			
Mar. 17	α Leonis.....	G	9 24 51.22	7		+10° 17' 49".23	1	" "
	\circ Leonis		9 34 4'49	7		+10 29 32.59	1	
	Moon I..... N		9 47 0'29	7	+1 7.28	+10 55 35.58	4	15 54.57
	α Leonis.....		10 1 18.79	7		+12 36 45.87	1	
	ρ Leonis		10 25 49.97	7		+ 9 59 11.57	1	
18	α Leonis	JS	10 1 18.68	7		+12 36 44.82	1	
	ρ Leonis		10 25 50.09	7		+ 9 59 10.49	1	
	Moon I..... N		10 42 9.72	7	+1 5.95	+ 7 1 19.97	6	15 46.96
	χ Leonis		10 58 11.02	7		+ 8 3 3.34	1	
	σ Leonis.....		11 14 18.29	7		+ 6 45 14.71	1	
21	Moon II..... S	JS	13 20 20.62	7	-1 3.70	- 6 1 52.03	7	+15 18.24
	94 Virginis.....		13 59 17.15	5		- 8 15 25.39	1	
	α Virginis.....		14 5 49.92	7		- 9 39 16.52	1	
22	94 Virginis.....	OF	13 59 17.21	7		- 8 15 25.12	1	
	α Virginis		14 5 50.13	7		- 9 39 16.43	1	
	Moon II..... S		14 10 45.84	7	-1 3.56	- 9 44 15.05	3	+15 8.66
	ζ Libræ		14 38 39.86	7		-14 53 49.57	1	
	η Libræ		14 43 33.18	7		+15 29 13.89	1	
Apr. 10	γ Geminorum.....	JS	6 6 51.42	7		+22 32 23.59	1	
	μ Geminorum.....		6 14 55.29	7		+22 34 33.95	1	
	Moon I..... N		6 30 50.14	7	+1 11.18	+18 26 58.91	5	+16 12.44
	ζ Geminorum .....		...			+20 45 35.03	1	
	δ Geminorum		7 12 11.28	7		+22 13 18.49	1	
11	ζ Geminorum	OF	...			+20 45 33.80	1	
	δ Geminorum		7 12 11.28	7		+22 13 18.72	1	
	Moon I.....		7 32 19.26	7	+1 10.19	...		...
	12 Cancri.....		8 1 17.19	7		...		
	ζ Cancri.....		8 4 35.81	7		...		
12	Moon I..... N	IF	8 31 47.80	7	+1 8.78	+15 10 40.57	5	15 58.24
	α Cancri.....		8 51 13.82	7		+12 22 3.07	1	
	η Cancri.....		9 0 33.71	7		+11 11 53.39	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. Apr. 13	α Cancri.....	JS	h m s 8 51 13.61	7	m s	+12 22' 1" 57	1	' "
	κ Cancri.....		9 0 33.54	7		+11 11 52.52	1	
	Moon I. ....N		9 28 52.62	7	+1 7.24	+12 7 22.72	7	-15 50.19
	π Leonis		9 53 12.29	7		+ 8 40 36.89	1	
	α Leonis.....		10 1 18.52	7		+12 36 45.07	1	
14	π Leonis	CF	9 53 12.34	7		+ 8 40 39.21	1	
	α Leonis.....		10 1 18.31	7		+12 36 46.57	1	
	Moon L. ....N		10 23 37.28	7	+1 5.81	+ 8 26 27.94	7	-15 41.95
	δ Leonis.....		10 53 43.20	7		+ 4 19 39.48	1	
	χ Leonis		10 58 11.09	7		+ 8 3 7.60	1	
15	δ Leonis.....	G	10 53 43.02	7		+ 4 19 39.04	1	
	χ Leonis		10 58 10.92	7		+ 8 3 4.23	1	
	Moon I. ....N		11 16 24.32	7	+1 4.65	+ 4 22 49.61	7	-15 33.48
	ν Leonis.....		11 30 10.05	7		- 0 5 34.54	1	
	β Virginis		11 43 47.96	7		+ 2 30 39.01	1	
16	ν Leonis	JS	...			- 0 5 34.88	1	
	β Virginis .....		...			+ 2 30 40.42	1	
	Moon I. ....N		12 7 45.00	7	+1 3.84	+ 0 10 33.85	7	-15 25.12
17	γ^1 Virginis.....	OF	12 34 57.24	7		- 0 43 15.76	1	
	38 Virginis		12 46 24.73	7		- 2 49 55.92	1	
	Moon I. ....N		12 58 13.23	7	+1 3.42	- 3 57 19.85	7	-15 16.93
	α Virginis.....		...			-10 28 3.37	1	
	Λ Virginis		13 26 0.23	7		- 9 28 50.81	1	
23	B.A.C. 5954	JS	...			-21 49 44.03	1	
	58 Ophiuchi.....		...			-21 36 49.27	1	
	Moon .....N		...		...	-18 5 55.68	5	-14 46.44
	21 Sagittarii .....		...			-20 36 27.87	1	
	28 Sagittarii .....		...			-22 31 35.85	1	
24	28 Sagittarii	CF	18 38 20.88	7		-22 31 31.10	1	
	Moon II. ....N		18 56 3.12	7	-1 4.48	-17 44 57.90	5	-14 48.22
	ρ^1 Sagittarii		19 13 58.67	7		-18 5 20.00	1	
	ϵ^2 Sagittarii		19 34 55.70	7		-16 25 49.12	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. May 9	Moon I. ....N	CF	^{h m s} 8 13 8.27	7	^{m s} +1 10.05	+16 9 31.06	7	-16 10.05
	δ Cancri		8 37 7.83	7		+18 38 19.23	1	
10	δ Cancri	JS	8 37 7.88	7		+18 38 19.48	1	
	Moon I. ....N		9 11 54.84	7	+1 8.19	+13 18 14.67	6	-15 58.33
	π Leonis.....		9 53 12.00	5		+8 40 41.66	1	
	α Leonis.....		10 1 18.12	7		+12 36 48.67	1	
12	ρ Leonis	G	10 25 49.50	7		+9 59 13.79	1	
	ι Leonis		10 42 17.03	7		+11 14 44.56	1	
	Moon I. ....N		11 0 50.35	7	+1 4.90	+5 46 18.17	5	-15 35.10
	ε Leonis		11 23 32.65	7		-2 16 24.70	1	
	ν Leonis		11 30 9.88	7		-0 5 35.00	1	
13	ε Leonis	JS	11 23 32.38	7		-2 16 25.06	1	
	ν Leonis		11 30 9.89	7		-0 5 33.34	1	
	Moon I. ....N		11 52 4.17	5	+1 3.83	+1 35 57.72	5	-15 24.78
	η Virginis.....		12 13 7.83	7		+0 4 11.07	1	
	γ Virginis (one mass)		12 34 57.03	6		-0 43 18.92	1	
15	α Virginis.....	IF	13 18 13.45	7		-10 28 5.62	1	
	Moon I. ....N		13 31 33.24	7	+1 3.00	-6 30 46.45	4	-15 7.28
16	95 Virginis	G	13 59 43.10	7		-8 40 44.66	1	
	Moon I. ....N		14 21 2.58	7	+1 3.11	-10 6 18.24	3	-15 0.24
	α ² Libræ.....		14 43 33.90	7		-15 29 16.69	1	
	ν ¹ Libræ		14 59 15.12	7		-15 44 22.07	1	
17	α ² Libræ.....	CF	14 44 34.03	7		-15 29 12.80	1	
	ν ¹ Libræ.....		14 59 15.36	7		-15 44 20.95	1	
	Moon I. ....N		15 10 56.11	7	+1 3.43	-13 11 2.60	3	-14 54.36
	γ ¹ Libræ.....		15 28 8.03	7		-14 20 37.21	1	
22	ο Sagittarii.....	CF	18 56 45.94	7		-21 55 47.05	1	
	π Sagittarii.....		19 1 53.16	7		-21 13 41.12	1	
	Moon II		19 28 49.72	7	-1 4.22	-17 16 56.26	7	-14 47.11
	64 Sagittarii.....		19 57 46.74	7		-11 58 11.55	1	
	α ² Capricorni.....		20 10 42.06	7		-12 57 4.18	1	

494 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. June 10	10 Virginis.....	G	h m s 12 2 53.69	6	m s	° ' "		' "
	7 Virginis.....		12 13 7.58	7		+ 0 4 13.28	1	
	Moon I.....N		12 27 10.06	7	+1 3.58	- 1 5 57.66	5	-15 21.45
	κ Virginis.....		12 52 50.17	7		- 3 5 46.16	1	
	θ Virginis.....		13 3 5.76	7		- 4 49 47.78	1	
11	Moon I.....	B	13 16 42.45	5	+1 3.07	- 5 9 48.41		-15 10.57
17	B.A.C. 6065.....	UF	17 48 42.74	7		-15 46 58.33	1	
	μ ¹ Sagittarii.....		18 5 51.33	7		-21 5 15.42	1	
	Moon II.....N		18 20 33.04	7	-1 4.37	-18 20 20.80	7	-14 43.60
	ο Sagittarii.....		18 56 45.48	7		-21 55 45.77	1	
	π Sagittarii.....		19 1 53.92	7		-21 13 39.42	1	
19	ε ² Sagittarii.....	B	19 34 57.04	7		-16 26 7.51	1	
	57 Sagittarii.....		19 44 30.71	7		-19 22 32.38	1	
	Moon II.....N		20 3 8.62	7	-1 3.96	-16 24 40.46	3	-14 47.85
	β Capricorni.....		20 13 34.65	6		-15 11 40.88	1	
	ρ Capricorni.....		20 21 18.59	7		-18 14 45.41	1	
23	φ Aquarii.....	CF	23 7 27.78	7		- 6 45 41.63	1	
	ψ ² Aquarii.....		23 11 0.93	7		- 9 54 13.96	1	
	Moon II.....N		23 22 52.23	7	-1 3.65	- 4 4 26.92	7	-15 19.87
	α ¹ Piscium.....		23 42 40.52	7		+ 0 20 26.34	1	
24	α ¹ Piscium.....	JS	23 42 40.52	7		+ 0 20 26.59	1	
	α ² Piscium.....		23 51 53.24	7		- 4 17 26.23	1	
	Moon II.....N		0 13 24.01	7	-1 4.43	+ 0 7 15.52	5	-15 33.19
	δ Piscium.....		0 41 48.24	7		+ 6 51 43.99	1	
	ε Piscium.....		0 56 3.70	7		+ 7 10 28.39	1	
July 8	γ Virginis (one mass)	B	12 34 56.52	7		- 0 43 14.68	1	
	38 Virginis.....		12 46 24.00	7		- 2 49 52.67	1	
	Moon I.....N		13 0 13.42	7	+1 3.79	- 3 34 42.85	3	-15 22.42
	α Virginis.....		13 18 12.93	7		-10 28 3.74	1	
	λ Virginis.....		13 25 59.68	7		- 9 28 48.04	1	

at the Royal Observatory, Cape of Good Hope, 1866-70. 495

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. July 9	α Virginis.....	IF	h m s 13 18 13.09	7	m s	—10 28' 2"44	1	" "
	λ Virginis.....		13 25 59.71	7		—9 28 47.56	1	
	Moon I.....N		13 50 2.05	7	+1 3.34	—7 30 33.18	6	—15 10.06
	κ Virginis.....		14 5 50.34	7		—9 39 13.34	1	
	λ Virginis.....		14 11 57.09	7		—12 45 29.27	1	
10	κ Virginis.....	G	14 5 50.23	7		—9 39 13.86	1	
	λ Virginis.....		14 11 57.07	7		—12 45 30.42	1	
	Moon I.....N		14 39 30.30	7	+1 3.29	—10 59 33.53	5	—15 0.09
	β Libræ.....		15 9 53.50	7		—8 53 23.11	1	
	ζ Libræ.....		15 20 48.03	7		—16 15 2.73	1	
11	β Libræ.....	JS	...			—8 53 23.12	1	
	ζ Libræ.....		...			—16 15 1.42	1	
	Moon.....N		...		...	—13 54 39.32	5	—14 52.62
	β Scorpii.....		...			—19 26 18.96	1	
	ν Scorpii.....		...			—19 6 43.26	1	
15	α Sagittarii.....	CF	18 38 22.50	7		—22 31 27.00	1	
	ν Sagittarii.....		18 46 11.52	7		—22 54 8.50	1	
	Moon I.....N		18 53 12.79	7	+1 4.37	—18 4 34.46	4	—14 44.95
	ρ Sagittarii.....		19 14 0.50	7		—18 5 25.30	1	
	ω Sagittarii.....		19 18 26.15	7		—22 1 57.99	1	
19	Moon.....N	B	...		...	—9 14 18.56	3	—15 3.67
20	δ Aquarii.....	JS	22 36 19.92	6		—7 39 10.83	1	
	λ Aquarii.....		22 45 42.94	7		—8 16 52.56	1	
	Moon II.....N		23 7 32.44	7	—1 3.20	—5 30 42.33	6	—15 11.91
	κ Piscium.....		23 20 9.20	6		+0 31 55.98	1	
	λ Piscium.....		23 35 17.86	7		+1 3 9.29	1	
21	κ Piscium.....	JS	...			+0 31 55.43	1	
	λ Piscium.....		...			+1 3 10.34	1	
	Moon.....N		...		...	—1 27 2.07	6	—15 21.64
	δ Piscium.....		...			+7 27 16.72	1	
	10 Ceti.....		...			—0 46 56.19	1	

496 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. Aug. 6	κ Virginia.....	JS	h m s 14 5 49.75	7	m s	— 9 39 11.51	1	" "
	λ Virginis.....		14 11 56.67	7		—12 45 28.14	1	
	Moon I.....N		14 21 12.76	7	+1 3.85	— 9 34 11.30	3	—15 11.75
	α^2 Libræ.....		14 43 33.32	7		—15 29 14.86	1	
	ρ^1 Libræ.....		14 59 14.70	7		—15 44 20.00	1	
7	α^2 Libræ.....	G	14 43 33.36	7		—15 29 14.48	1	
	ρ^1 Libræ.....		14 59 14.76	7		—15 44 20.65	1	
	Moon I.....N		15 11 26.95	7	+1 3.81	—12 45 44.00	5	—15 1.11
	γ Libræ.....		15 28 7.49	7		—14 20 35.33	1	
	θ Libræ.....		15 46 17.58	7		—16 20 8.79	1	
10	ξ Serpentis.....	JS	17 30 1.11	7		—15 18 32.86	1	
	Moon I.....N		17 43 46.21	7	+1 4.42	—18 3 4.12	5	—14 45.87
	μ^1 Sagittarii.....		18 5 51.64	7		—21 5 15.75	1	
	B.A.C. 6279.....		18 21 39.90	7		—14 38 38.88	1	
11	μ^1 Sagittarii.....	JS	18 5 51.48	6		—21 5 14.87	1	
	B.A.C. 6279.....		18 21 39.96	7		—14 38 37.84	1	
	Moon I.....N		18 35 16.76	7	+1 4.48	—18 10 5.20	5	—14 46.06
	π Sagittarii.....		19 1 54.24	7		—21 13 40.69	1	
	ρ^1 Sagittarii.....		19 14 0.52	7		—18 5 25.78	1	
12	π Sagittarii.....	G	...			—21 13 41.30	1	
	ρ^1 Sagittarii.....		...			—18 5 26.17	1	
	Moon.....N		...		...	—17 25 1.71	3	—14 48.26
	δ_3 Sagittarii.....		...			—13 59 52.78	1	
	α^2 Capricorni.....		...			—12 56 58.05	1	
13	δ_3 Sagittarii.....	B	19 54 33.52	5		—13 59 52.73	1	
	α^1 Capricorni.....		...			—12 54 40.64	1	
	Moon I.....N		20 18 13.64	7	+1 4.11	—15 49 23.76	5	—14 52.43
	τ^2 Capricorni.....		20 31 53.10	7		—15 24 48.04	1	
	θ Capricorni.....		20 58 31.08	6		—17 45 11.85	1	
14	τ^2 Capricorni.....	IF	20 31 53.11	7		—15 24 47.82	1	
	θ Capricorni.....		20 58 31.09	7		—17 45 13.68	1	
	Moon I.....N		21 9 11.29	7	+1 3.78	—13 27 4.17	4	—14 57.90
	δ Capricorni.....		21 39 44.67	7		—16 43 23.33	1	
	μ Capricorni.....		21 46 5.68	7		—14 10 13.30	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. Aug. 15	δ Capricorni.....	JS	h m s 21 39 44.91	7	m s	-16° 43' 23".79	1	' "
	μ Capricorni.....		21 46 5.62	7		-14 10 13.22	1	
	Moon II. ....N		22 1 47.36	7	-1 3.49	-10 23 56.77	2	-15 4.47
	σ Aquarii		22 23 39.29	7		...		
	κ Aquarii		22 30 55.04	7		- 4 54 24.95	1	
17	ϕ Aquarii	G	23 7 28.95	7		- 6 45 34.19	1	
	κ Piscium		23 20 9.74	7		+ 0 32 0.38	1	
	Moon II. ....N		23 42 4.09	7	-1 3.56	- 2 48 40.08	7	-15 19.84
	10 Ceti.....		0 19 51.08	7		- 0 46 52.36	1	
	13 Ceti.....		0 28 26.95	7		- 4 19 13.15	1	
18	10 Ceti	G	0 19 50.93	7		- 0 46 52.98	1	
	13 Ceti		0 28 26.84	7		- 4 19 13.77	1	
	Moon II. ....N		0 32 40.20	7	-1 4.11	+ 1 23 30.53	7	-15 28.43
	ϵ Piscium		0 56 5.27	7		+ 7 10 39.21	1	
	ζ Piscium		1 6 49.64	7		+ 6 52 30.00	1	
21	μ Ceti	CF	2 37 47.64	7		+ 9 33 11.70	1	
	σ Arietis.....		2 44 11.23	5		+14 32 8.97	1	
	Moon II. ....N		3 13 23.94	7	-1 8.02	+13 12 13.44	7	-15 56.42
	ϵ Tauri.....		3 41 0.77	7		+10 43 59.09	1	
	λ Tauri		3 53 20.81	7		+12 6 48.06	1	
23	α Tauri	IF	...			+16 14 18.99	1	
	Moon .....N		...		...	+17 58 51.00	1	-16 14.34
Sept. 5	Moon I. ....N	JS	16 32 44.30	7	+1 4.46	-16 24 10.64	3	-14 54.52
	η Ophiuchi.....		17 2 47.24	7		...		
	ξ Ophiuchi.....		17 13 4.39	7		-20 57 54.31	1	
6	η Ophiuchi	IF	17 2 47.36	7		-15 33 17.66	1	
	ξ Ophiuchi		17 13 4.42	7		-20 57 53.27	1	
	Moon I. ....N		17 24 4.73	7	+1 4.57	-17 42 42.74	5	-14 49.60
	μ^1 Sagittarii		18 5 51.12	7		-21 5 14.33	1	
7	δ Sagittarii.....	G	17 51 42.97	7		-23 47 53.32	1	
	μ^1 Sagittarii		18 5 51.17	7		-21 5 14.64	1	
	Moon I. ....N		18 15 33.99	7	+1 4.60	-18 10 9.83	7	-14 47.53
	ξ^2 Sagittarii.....		18 49 50.47	7		-21 16 29.34	1	
	ϵ Sagittarii		18 56 45.57	7		-21 55 47.15	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. Sept. 11	ϵ Capricorni	IF	h m s 21 14 53.30	7	m s	$-17^{\circ} 23' 35''.88$	1	' "
	γ Capricorni		21 32 46.19	7		$-17^{\circ} 15' 18''.80$	1	
	Moon I.	S	21 40 25.76	7	+1 3.83	$-12^{\circ} 7' 23''.56$	6	+15 5.14
	θ Aquarii		22 9 51.96	7		$-8^{\circ} 26' 18''.77$	1	
	σ Aquarii		22 23 39.63	7		$-11^{\circ} 21' 5''.88$	1	
12	θ Aquarii	JS	22 9 51.92	7		$-8^{\circ} 26' 16''.81$	1	
	σ Aquarii		22 23 39.53	7		$-11^{\circ} 21' 5''.41$	1	
	Moon I.	S	22 31 5.61	7	+1 3.74	$-8^{\circ} 41' 57''.39$	3	+15 13.64
	ϕ Aquarii		23 7 29.08	7		$-6^{\circ} 45' 33''.82$	1	
	ψ^2 Aquarii		23 11 2.53	7		$-9^{\circ} 54' 6''.45$	1	
13	ϕ Aquarii	CF	23 7 29.22	7		$-6^{\circ} 45' 31''.29$	1	
	Moon I.	N	23 21 49.53	7	+1 3.89	$-4^{\circ} 16' 57''.42$	7	-15 22.71
15	δ Piscium	G	0 41 50.21	7		$+6^{\circ} 51' 58''.19$	1	
	α Ceti		0 46 15.90	7		$-1^{\circ} 51' 41''.31$	1	
	Moon II.	N	1 7 16.81	7	-1 5.15	$+4^{\circ} 14' 6''.02$	7	-15 40.28
	ν Piscium		1 34 33.70	7		$+4^{\circ} 49' 4''.33$	1	
	\circ Piscium		1 38 25.53	7		$+8^{\circ} 29' 28''.92$	1	
16	ν Piscium	JS	1 34 33.96	6		$+4^{\circ} 49' 3''.61$	1	
	\circ Piscium		1 38 25.47	7		$+8^{\circ} 29' 25''.80$	1	
	Moon II.	N	2 0 51.29	6	-1 6.27	$+8^{\circ} 24' 14''.63$	2	-15 48.12
	ξ^2 Ceti		2 21 8.32	7		$+7^{\circ} 51' 57''.98$	1	
	μ Ceti		2 37 48.19	7		$+9^{\circ} 33' 13''.92$	1	
17	ξ^2 Ceti	IF	2 21 8.47	7		$+7^{\circ} 51' 56''.59$	1	
	μ Ceti		2 37 48.43	7		$+9^{\circ} 33' 13''.73$	1	
	Moon II.	N	2 56 20.32	7	-1 7.63	$+12^{\circ} 10' 48''.32$	5	-15 55.10
	f Tauri		3 23 34.91	7		$+12^{\circ} 28' 48''.27$	1	
	ϵ Tauri		3 41 1.63	7		$+10^{\circ} 44' 1''.57$	1	
18	f Tauri	B	3 23 34.87	7		$+12^{\circ} 28' 50''.41$	1	
	ϵ Tauri		3 41 1.59	6		$+10^{\circ} 44' 1''.21$	1	
	Moon II.	N	3 53 59.64	5	-1 9.05	$+15^{\circ} 18' 4''.18$	5	-16 1.02
	ϵ Tauri		4 20 53.87	7		$+18^{\circ} 52' 59''.68$	1	
	α Tauri		4 28 20.14	7		$+16^{\circ} 14' 21''.38$	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. Sept. 19	ϵ Tauri	G	h m s 4 20 54.00	7	m s	+18 52 57.41	1	" "
	α Tauri		4 28 20.07	7		+16 14 21.82	1	
	Moon II. ....N		4 53 45.38	6	-1 10.26	+17 30 42.43	3	-16 5.98
	ζ Tauri		5 29 44.04	7		+21 3 27.96	1	
	χ^1 Orionis.....		5 46 32.44	7		+20 14 48.29	1	
20	χ^1 Orionis.....	OF	...			+20 14 49.13	1	
	Moon II. ....N		5 55 9.85	7	-1 11.04	+18 36 28.38	7	-16 9.83
Oct. 6	π Sagittarii.....	G	19 1 53.52	7		...		
	ρ^1 Sagittarii		19 13 59.83	7		...		
	Moon I.		19 37 20.05	7	+1 4.36	...		...
7	α^2 Capricorni	JS	20 10 42.91	7		-12 56 58.51	1	
	ρ Capricorni		20 21 18.97	7		-18 14 45.97	1	
	Moon I. ....S		20 28 15.34	7	+1 4.09	-15 56 42.81	5	+14 54.05
	θ Capricorni.....		20 58 30.80	7		-17 45 16.65	1	
	ν Aquarii.....		21 2 23.59	7		-11 54 8.03	1	
8	θ Capricorni.....	IF	20 58 30.94	7		-17 45 13.86	1	
	ν Aquarii		21 2 26.38	7		-11 54 9.05	1	
	Moon I. ....S		21 18 51.17	7	+1 3.87	-13 27 5.01	5	+15 1.06
	λ Capricorni		21 39 25.30	7		-11 58 18.11	1	
	μ Capricorni		21 46 5.55	7		-14 10 15.36	1	
9	λ Capricorni	G	21 39 25.26	7		-11 58 19.23	1	
	μ Capricorni		21 46 5.46	7		-14 10 14.91	1	
	Moon I. ....S		22 9 18.08	7	+1 3.79	-10 17 3.20	5	+15 10.34
	σ Aquarii		22 23 39.28	7		-11 21 7.98	1	
	λ Aquarii		22 45 43.66	7		- 8 16 49.53	1	
10	σ Aquarii	B	...			-11 21 3.78	1	
	λ Aquarii .....		...			- 8 16 48.86	1	
	Moon	S	...		...	- 6 33 24.08	5	+15 21.19
	κ Piscium .....		...			+ 0 32 4.75	1	
	λ Piscium .....		...			+ 1 3 16.49	1	
13	ν Piscium	G	1 34 34.14	7		+ 4 49 6.05	1	
	Moon II. ....S		1 39 31.31	7	-1 6.50	+ 6 18 15.81	6	+15 54.40
	ζ^1 Ceti		2 6 0.62	6		+ 8 13 31.14	1	
	ζ^2 Ceti		2 21 8.84	7		+ 7 51 59.26	1	

500 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. Oct. 14	ξ^1 Ceti	JS	h m s 2 6 0.56	7	m s	+ 8° 13' 31".96	1	" "
	ξ^2 Ceti		2 21 8.77	7		+ 7 51 58.08	1	
	Moon II.....N		2 35 31.97	7	-1 7.91	+10 54 36.43	6	-16 2.74
	ϵ Tauri		3 17 42.79	6		+ 8 33 40.98	1	
	γ Tauri		3 23 35.29	7		+12 28 51.08	1	
16	ϵ Tauri	B	4 20 54.64	7		+18 53 0.61	1	
	α Tauri		4 28 20.93	7		+16 14 22.02	1	
	Moon II. ....N		4 34 17.75	7	-1 10.58	+17 1 7.40	7	-16 12.35
	η Tauri		5 24 28.35	7		+18 29 29.09	1	
	ζ Tauri		5 29 44.96	7		+21 3 25.09	1	
Nov. 4	Moon I.....S	JS	20 57 32.12	7	+1 3.66	-14 47 3.65	5	+14 53.37
	ϵ Capricorni		21 14 52.66	7		-17 23 39.66	1	
	γ Capricorni		21 32 45.57	7		-17 15 24.67	1	
9	δ Piscium	G	0 41 50.26	7		+ 6 52 0.42	1	
	ϵ Piscium		0 56 5.95	7		+ 7 10 44.44	1	
	Moon I.....S		1 11 11.97	7	+1 6.07	+ 4 10 22.38	7	+15 52.28
	ϵ Piscium		1 38 25.99	7		+ 8 29 32.82	1	
12	γ Tauri	JS	3 23 35.89	7		+12 28 51.49	1	
	λ Tauri		3 53 22.77	7		+12 6 49.31	1	
	Moon II. ....S		4 8 4.22	7	-1 11.15	+15 34 19.47	6	+16 24.08
	α Tauri		4 28 21.37	7		+16 14 22.03	1	
	ϵ^2 Orionis		4 48 57.44	7		+13 18 6.16	1	
13	α Tauri	CF	4 29 21.33	7		+16 14 24.36	1	
	ϵ^2 Orionis		4 48 57.56	7		+13 18 6.89	1	
	Moon II.....N		5 11 32.28	7	-1 12.28	+18 13 2.47	7	-16 27.52
	ζ Tauri		5 29 45.69	7		+21 3 27.10	1	
	ν Orionis		6 0 2.93	7		+14 46 49.83	1	
14	ζ Tauri	IF	5 29 45.64	7		+21 3 26.25	1	
	ν Orionis		6 0 2.39	7		+14 46 48.09	1	
	Moon II.....N		6 16 8.14	7	-1 12.59	+19 0 45.44	6	-16 26.87
	ξ Geminorum		6 37 52.98	7		+13 2 3.36	1	
	ζ Geminorum		6 56 16.80	7		+20 45 30.44	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. Nov. 15	♄ Geminorum	JS	h m s 6 56 16.68	7	m s	+20° 45' 32".13	1	" "
	Moon II.	S	7 20 21.12	7	-1 11.97	+17 53 33.66	7	+16 22.54
	μ ² Cancri		7 59 59.24	7		+21 57 36.80	1	
	♄ Cancri		8 4 37.96	6		+18 2 31.90	1	
16	μ ² Cancri.....	IF	...			+21 57 36.56	1	
	Moon	S	...		...	+16 2 55.35	6	+16 15.51
	♄ Cancri .....		...			+18 38 8.58	1	
	α Cancri .....		...			+12 21 56.42	1	
17	♄ Cancri.....	IF	...			+18 38 9.17	1	
	Moon	S	...		...	+13 9 30.96	6	+16 6.72
	α Leonis.....		...			+12 36 41.18	1	
Dec. 2	Moon I.	JS	21 27 49.02	7	+1 3.10	-13 23 52.94	5	+14 51.21
	♄ Aquarii		21 59 17.17	7		-14 25 32.80	1	
3	♄ Aquarii	CF	21 59 17.25	7		-14 25 32.25	1	
	Moon I.....	S	22 16 41.56	7	+1 2.88	-10 13 26.16	6	+14 58.58
6	10 Ceti	IF	0 19 51.22	7		-0 46 53.41	1	
	13 Ceti		0 28 27.15	7		-4 19 14.43	1	
	Moon I.....	S	0 45 26.66	7	+1 4.72	+1 49 8.75	6	+15 36.61
	♄ Piscium.....		1 6 50.38	7		+6 52 35.09	1	
	μ Piscium.....		1 23 16.56	7		+5 27 42.70	1	
7	μ Piscium.....	JS	1 23 16.48	7		+5 27 44.11	1	
	Moon I.....	S	1 38 15.78	7	+1 6.33	+6 10 21.15	4	+15 52.75
	ξ ² Ceti		2 21 9.08	7		+7 51 56.69	1	
8	ξ ¹ Ceti	JS	2 6 0.82	7		+8 13 31.44	1	
	ξ ² Ceti		2 21 9.16	7		+7 51 57.99	1	
	Moon I.....	S	2 34 2.93	7	+1 8.34	+10 19 51.37	5	+16 8.77
	o Tauri		3 17 43.36	4		+8 33 38.16	1	
	f Tauri		3 23 36.10	5		+12 28 49.28	1	
9	o Tauri	G	3 17 43.38	7		+8 33 38.31	1	
	f Tauri		3 23 35.97	7		+12 28 51.77	1	
	Moon I.....	S	3 33 20.92	7	+1 10.49	+13 58 45.24	7	+16 23.16
	e Tauri		4 20 55.48	7		+18 52 59.89	1	
	α Tauri		4 28 21.62	7		+16 14 21.92	1	

502 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1867. Dec. 10	ϵ Tauri.....	CF	h m s 4 20 55.58	7	m s	+18° 53' 1".22	1	" "
	α Tauri.....		4 28 21.64	7		+16 14 23.55	1	
	Moon I.....	S	4 36 11.22	7	+1 12.41	+16 45 36.90	7	+16 34.06
	119 Tauri.....		5 24 29.19	7		+18 29 28.15	1	
	ζ Tauri.....		5 29 46.33	7		+21 3 25.58	1	
	119 Tauri.....	IF	5 24 29.41	7		+18 29 29.72	1	
	Moon II.....	N	5 44 13.25	7	-1 13.59	+18 53 14.28	7	-16 40.09
	μ Geminorum....		6 14 59.16	7		+22 34 32.46	1	
	γ Geminorum....		6 30 5.88	7		+16 30 24.98	1	
1868. Jan. 6	λ Tauri.....	B	3 53 23.01	7		+12 6 46.61	1	
	Moon I.....	S	4 2 23.34	7	+1 10.71	+15 16 49.15	7	+16 19.89
	ϵ Tauri.....	JS	4 20 55.52	7		+18 53 0.34	1	
	α Tauri.....		4 28 21.72	7		+16 14 22.26	1	
	Moon I.....	S	5 5 30.48	7	+1 12.72	+17 33 44.98	5	+16 33.61
	ζ Tauri.....		5 29 46.40	7		+21 3 26.38	1	
	ν Orionis.....		6 0 3.20	7		+14 46 43.51	1	
	ζ Tauri.....	G	5 29 46.38	7		+21 3 24.18	1	
	ν Orionis.....		6 0 3.14	7		+14 46 45.68	1	
	Moon I.....	S	6 11 34.94	7	+1 13.95	+18 34 12.05	7	+16 43.12
	ζ Geminorum....		6 56 17.78	7		+20 45 30.83	1	
	λ Geminorum....		7 10 31.45	7		+16 46 23.74	1	
	ζ Geminorum....	IF	6 56 17.67	7		+20 45 29.67	1	
	λ Geminorum....		7 10 31.23	7		+16 46 23.57	1	
	Moon II.....	N	7 21 22.26	7	-1 14.04	+18 39 56.58	7	-16 47.06
	μ^2 Cancri.....		8 0 0.39	7		+21 57 35.78	1	
	ζ Cancri.....		8 4 39.22	7		+18 2 27.84	1	
	ζ Cancri.....	CF	8 4 39.33	7		+18 2 26.13	1	
	Moon II.....		8 27 52.05	7	-1 13.02	...		...
	α Cancri.....		8 51 16.85	7		+12 21 53.70	1	
	83 Cancri.....		9 11 37.33	7		+18 15 36.05	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868.			h m s		m s			
Jan. 12	ν Leonis.....	G	9 51 7 ⁸ 5	7		+13 4 14 ¹²	1	" "
	α Leonis.....		10 1 21 ⁰ 7	7		+12 36 32 ⁰ 2	1	
	Moon II.....	S	10 32 24 ⁵ 4	7	-1 9 ²²	+9 3 32 ⁸ 2	7	+16 24 ³ 6
	χ Leonis.....		10 58 12 ⁹ 4	7		+8 2 49 ⁹ 0	1	
	σ Leonis.....		11 14 20 ¹ 5	7		+6 45 3 ⁷ 1	1	
14	β Virginis.....	CF	11 43 49 ⁵ 6	7		+2 30 29 ⁰ 6	1	
	η Virginis.....		12 13 9 ⁴ 7	7		+0 4 1 ⁵ 51	1	
	Moon II.....	S	12 24 7 ⁸ 8	7	-1 5 ⁸⁸	+0 1 5 ⁰ 6	7	+15 52 ⁸ 8
16	Moon II.....	S	14 7 55 ¹ 8	7	-1 4 ³⁶	-8 29 57 ¹ 7	5	+15 22 ⁷ 6
	α^2 Libræ.....		14 43 34 ² 4	7		-15 29 19 ⁰ 3	1	
31	Moon I.....	S	1 48 9 ⁶ 6	7	+1 4 ⁵ 6	+6 31 35 ² 7	7	+15 28 ³ 6
Feb. 1	ξ^2 Ceti.....	JS	...			+7 51 53 ⁷ 4	1	
	Moon I.....	S	2 40 42 ⁹ 3	7	+1 6 ²⁹	+10 24 28 ³ 8	5	+15 41 ⁷ 5
	ξ Tauri.....		3 20 1 ¹ 10	3		+9 16 4 ⁹ 8	1	
2	ξ Tauri.....	JS	3 20 1 ² 21	4		+9 16 5 ³ 8	1	
	Moon I.....	S	3 36 16 ⁴ 1	7	+1 8 ³⁴	+13 49 27 ³ 8	6	+15 56 ¹ 9
	δ^1 Tauri.....		4 15 19 ⁹ 3	7		+17 13 42 ⁰ 9	1	
	ϵ Tauri.....		4 20 55 ³ 2	7		+18 52 56 ⁷ 0	1	
3	δ^1 Tauri.....	G	4 15 20 ⁰ 1	7		+17 13 42 ⁶ 1	1	
	ϵ Tauri.....		4 20 55 ² 0	7		+18 52 59 ⁰ 0	1	
	Moon I.....	S	4 35 17 ⁵ 3	7	+1 10 ⁴⁶	+16 29 58 ⁵ 7	7	+16 10 ⁹ 7
	η 19 Tauri.....		5 24 29 ³ 9	7		+18 29 26 ⁸ 0	1	
	ζ Tauri.....		5 29 46 ³ 1	7		+21 3 24 ¹ 0	1	
4	η 19 Tauri.....	CF	5 24 29 ² 4	4		+18 29 28 ⁴ 6	1	
	ζ Tauri.....		5 29 46 ¹ 5	7		+21 3 26 ⁵ 1	1	
	Moon I.....	S	5 37 42 ⁵ 1	5	+1 12 ²⁵	+18 8 19 ³ 7	1	+16 24 ⁶ 3
	η Geminorum....		6 6 55 ⁶ 1	7		+22 32 22 ² 5	1	
	μ Geminorum....		6 14 59 ⁴ 6	7		+22 34 31 ⁰ 6	1	
5	η Geminorum....	IF	6 6 55 ⁴ 3	7		+22 32 24 ⁵ 4	1	
	μ Geminorum....		6 14 59 ⁴ 9	7		+22 34 34 ³ 6	1	
	Moon I.....	S	6 42 42 ³ 2	7	+1 13 ³⁰	+18 29 3 ⁹ 0	7	+16 35 ⁵ 9
	ζ Geminorum....		6 56 17 ⁷ 8	7		+20 45 29 ⁴ 7	1	
	λ Geminorum....		7 10 31 ⁴ 8	7		+16 46 23 ⁶ 7	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. Feb. 6	ζ Geminorum	B	h m s 6 56 17.60	7	m s	+20 45 29.76	1	' "
	λ Geminorum		7 10 (31.07)	7		+16 46 24.01	1	
	Moon I. ....N		7 48 46.29	7	+1 13.33	+17 57 30.25	7	-16 42.22
	η Cancri		8 25 5.65	6		+20 53 4.18	1	
	δ Cancri		8 37 11.88	7		+18 38 1.62	1	
7	η Cancri.....	JS	8 25 5.58	7		+20 53 4.18	1	
	δ Cancri		8 37 12.07	7		+18 38 4.10	1	
	Moon I. ....N		8 54 10.37	7	+1 12.43	+15 30 16.09	6	-16 43.51
	ε Leonis		9 34 7.46	6		+10 29 17.92	1	
	ν Leonis		9 51 8.47	7		+13 4 13.46	1	
9	ρ Leonis.....	JS	10 25 52.71	7		+ 9 58 56.25	1	
	ι Leonis		10 42 20.12	6		+11 14 25.15	1	
	Moon II. ....S		11 0 16.94	7	-1 9.19	+ 7 2 20.67	7	+16 28.98
	ν Virginis		11 39 5.49	7		+ 7 16 0.64	1	
	β Virginis		11 43 50.24	7		+ 2 30 24.46	1	
12	θ Virginis.....	G	13 3 7.87	7		- 4 50 2.21	1	
	ζ Virginis.....		13 27 58.71	7		+ 0 4 46.15	1	
	Moon II. ....S		13 46 47.29	7	-1 5.57	- 6 44 3.83	4	+15 42.71
	κ Virginis		14 5 51.91	7		- 9 39 28.04	1	
	ι Virginis		14 9 6.21	7		- 5 22 9.82	1	
27	Moon I.	CF	1 32 39.17	5	+1 3.91	...		...
Mar. 2	α Tauri	IF	4 28 21.04	7		+16 14 20.18	1	
	Moon I. ....S		5 13 27.42	7	+1 10.34	+17 37 41.22	7	+16 3.55
	ζ Tauri		5 29 45.82	7		+21 3 26.50	1	
	χ ¹ Orionis.....		5 46 34.52	7		+20 14 44.76	1	
4	γ Geminorum	B	6 30 5.60	7		+16 30 22.62	1	
	λ Geminorum		7 10 31.18	7		+16 46 21.47	1	
	Moon I. ....N		7 18 29.40	7	+1 12.11	+18 36 43.04	4	-16 23.36
	μ ² Cancri.....		8 0 0.72	7		+21 57 39.85	1	
	ζ Cancri		8 4 39.47	7		+18 2 26.57	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. Mar. 5	μ^2 Cancri	JS	h m s 8 0 0'44	7	m s	+21° 57' 36" 94	1	" "
	ζ Cancri.....		8 4 39'39	7		+18 2 26'64	1	
	Moon I.....N		8 22 10'33	7	+1 11'87	+16 51 34'07	5	-16 29'76
	δ Cancri.....		8 37 11'95	7		+18 38 4'77	1	
	α Cancri.....		8 51 17'11	7		+12 21 48'66	1	
6	δ Cancri.....	IF	8 37 11'87	7		+18 38 6'15	1	
	α Cancri.....		8 51 17'17	7		+12 21 50'87	1	
	Moon I.....N		9 24 59'30	7	+1 10'99	+13 53 32'43	7	-16 32'27
	ν Leonis		9 51 8'53	7		+13 4 12'69	1	
	A Leonis		10 0 55'15	7		+10 38 26'45	1	
8	c Leonis	G	10 53 55'64	7		+ 6 48 26'65	1	
	χ Leonis		10 58 13'85	7		+ 8 2 47'85	1	
	Moon II.....N		11 27 25'28	7	-1 8'51	+ 5 25 31'79	3	-16 23'82
	β Virginis		11 43 50'58	7		+ 2 30 21'29	1	
	η Virginis.....		12 13 10'56	7		+ 0 3 53'76	1	
9	β Virginis	B	11 43 50'55	7		+ 2 30 22'31	1	
	Moon II.....S		12 24 28'73	6	-1 7'42	+ 0 6 0'14	7	+16 13'32
	γ Virginis (one mass)		12 34 59'58	6		- 0 43 36'48	1	
	θ Virginis		13 3 8'35	7		- 4 50 5'47	1	
10	γ Virginis (1st Star).	JS	12 34 59'75	7		- 0 43 35'08	1	
	θ Virginis.....		13 3 8'41	7		- 4 50 7'12	1	
	Moon II.....S		13 19 57'69	7	-1 6'63	- 4 34 31'28	7	+15 59'93
	m Virginis.....		13 34 42'51	7		- 8 2 12'69	1	
	94 Virginis.....		13 59 19'78	7		- 8 15 40'22	1	
11	m Virginis.....	IF	13 34 42'50	7		- 8 2 11'89	1	
	94 Virginis.....		13 59 19'72	7		- 8 15 38'60	1	
	Moon II.....S		14 14 19'38	7	-1 6'11	- 8 51 54'29	6	+15 45'10
	α^2 Libræ.....		14 43 35'92	7		-15 29 28'92	1	
	δ Libræ.....		14 53 56'33	7		- 7 59 36'05	1	
12	α^2 Libræ	G	14 43 35'90	7		-15 29 29'11	1	
	δ Libræ		14 53 56'39	7		- 7 59 35'94	1	
	Moon II.....S		15 7 58'94	7	-1 5'82	-12 33 15'21	7	+15 30'24
	γ Libræ		15 28 9'63	7		-14 20 47'09	1	
	θ Libræ		15 46 19'59	7		-16 20 18'45	1	

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Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. Mar. 15	ϵ Serpentis	IF	h m s 17 30 2'09	7	m s	$-15^{\circ} 18' 39''.64$	1	' "
	δ Ophiuchi		17 35 31'71	7		$-21 36 47'.91$	1	
	Moon II. ....S		17 46 41'84	7	-1 5'28	$-18 45 59'.25$	7	+14 55'94
	μ Sagittarii		18 5 52'28	7		$-21 5 19'.63$	1	
	B.A.C. 6279		18 21 40'39	7		$-14 38 45'.53$	1	
31	ν Geminorum	JS	6 21 7'60	7		+20 17 27'02	1	
	γ Geminorum		6 30 5'34	7		+16 30 22'84	1	
	Moon I. ....N		6 57 9'60	7	+1 11'13	+19 0 15'64	5	-16 8'77
	λ Geminorum		7 10 30'78	7		+16 46 23'49	1	
	63 Geminorum ...		7 19 54'50	7		+21 42 37'76	1	
Apr. 1	λ Geminorum	IF	7 10 30'83	7		+16 46 23'67	1	
	63 Geminorum ...		7 19 54'40	7		+21 42 39'20	1	
	Moon I. ....N		7 59 2'50	7	+1 10'96	+17 44 26'40	7	-16 13'66
	δ Cancr.		8 37 11'75	7		+18 38 6'34	1	
	α Cancr.		8 51 16'92	7		+12 21 50'80	1	
2	δ Cancr.	B	8 37 11'66	6		+18 38 7'28	1	
	α Cancr.		8 51 16'79	7		+12 21 52'32	1	
	Moon I. ....N		9 0 14'74	7	+1 10'26	+15 16 53'67	7	-16 16'93
	ϵ Leonis.		9 34 7'24	7		+10 29 20'08	1	
	ν Leonis.		9 51 8'16	7		+13 4 14'88	1	
3	ϵ Leonis.	CF	9 34 7'25	7		+10 29 18'15	1	
	ν Leonis.		9 51 8'32	7		+13 4 14'54	1	
	Moon I. ....N		10 0 5'47	7	+1 9'25	+11 48 39'21	6	-16 17'70
	ρ Leonis.		10 25 52'72	7		+9 58 57'93	1	
	ι Leonis.		10 42 20'24	7		+11 14 27'70	1	
4	ρ Leonis.	JS	10 25 52'72	7		+9 58 55'64	1	
	ι Leonis.		10 42 20'22	7		+11 14 24'19	1	
	Moon I. ....N		10 58 18'86	7	+1 8'21	+7 35 38'91	6	-16 15'86
	ν Virginis.		11 39 5'85	7		+7 16 0'16	1	
	β Virginis.		11 43 50'64	7		+2 30 20'65	1	
6	η Virginis.	IF	12 13 10'78	7		+0 3 53'88	1	
	γ Virginis (one mass)		12 34 59'88	7		-0 43 35'42	1	
	Moon II. ....N		12 52 47'65	7	-1 6'70	-1 47 49'44	7	-16 3'03
	α Virginis.		13 18 16'10	7		-10 28 23'86	1	
	β Virginis.		13 25 7'98	7		-5 34 29'65	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. Apr. 7	Moon II. ....S	CF	h m s 13 47 35.20	7	m s —1 6.36	— 6 52' 16".52	7	+15 52".65
	κ Virginis		14 5 53.13	7		— 9 39 30.22	1	
	λ Virginis		14 11 59.95	7		—12 45 46.56	1	
8	κ Virginis	JS	14 5 52.86	7		— 9 39 33.33	1	
	λ Virginis		14 11 59.71	7		—12 45 48.54	1	
	Moon II. ....S		14 41 57.89	6	—1 6.22	—10 56 22.00	7	+15 40.76
	β Libræ		15 9 55.85	7		— 8 53 40.67	1	
	γ Libræ		15 20 50.38	7		—16 15 14.96	1	
11	η Ophiuchi	G	17 2 49.71	7		—15 33 26.95	1	
	ν Serpentis		17 13 25.30	7		—12 42 33.40	1	
	Moon II. ....N		17 23 59.10	7	—1 5.94	—18 0 45.82	7	—15 5.70
	μ ¹ Sagittarii.....		18 5 53.08	7		—21 5 18.02	1	
29	η Cancri.....	B	8 25 4.22	7		+20 53 9.48	1	
	γ Cancri.....		8 35 38.55	7		+21 56 22.73	1	
	Moon I. ....N		8 41 51.21	7	+1 10.15	+16 20 48.18	7	—16 10.68
	α Cancri		8 51 15.92	7		+12 21 53.73	1	
	κ Cancri		9 0 35.84	7		+11 11 42.09	1	
30	κ Cancri	CF	9 0 35.98	7		+11 11 43.16	1	
	Moon I. ....N		9 41 11.75	7	+1 8.97	+13 12 3.13	7	—16 9.10
	Δ Leonis		10 0 54.55	7		+10 38 27.73	1	
	ρ Leonis		10 25 52.50	7		+ 9 58 58.54	1	
May 1	Δ Leonis	JS	10 0 54.67	6		+10 38 26.63	1	
	ρ Leonis		10 25 52.41	7		+ 9 58 56.95	1	
	Moon I. ....N		10 38 35.74	7	+1 7.77	+ 9 15 55.53	6	—16 6.21
	χ Leonis		10 58 13.50	7		+ 8 2 49.75	1	
	σ Leonis.....		11 14 20.88	7		+ 6 45 0.40	1	
2	χ Leonis	G	10 58 13.42	7		+ 8 2 49.34	1	
	σ Leonis.....		11 14 20.86	7		+ 6 45 0.87	1	
	Moon I. ....N		11 34 16.69	7	+1 6.78	+ 4 49 15.13	7	—16 1.93
	β Virginis		11 43 50.56	7		+ 2 30 22.34	1	
4	θ Virginis.....	JS	13 3 8.66	6		— 4 50 7.53	1	
	α Virginis.....		13 18 16.23	7		—10 28 23.36	1	
	Moon I.....N		13 22 31.10	7	+1 5.84	— 4 26 59.86	5	—15 48.77

508 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. May 7	θ Libræ.....	CF	h m s 15 46 20.77	7	m s	-16 20' 20".45	1	' "
	48 Libræ.....		15 50 50.11	7		-13 53 44.16	1	
	Moon II.....N		16 6 14.12	7	-1 6.18	-15 27 31.57	7	-15 20.98
	ψ Ophiuchi.....		16 16 25.10	7		-19 43 25.16	1	
	ϕ Ophiuchi.....		16 23 37.10	7		-16 19 15.22	1	
10	α Sagittarii.....	IF	...			-20 36 26.46	1	
	Moon.....N		...		...	-18 52 59.20	5	-14 55.54
12	β Capricorni.....	CF	...			-15 11 37.75	1	
	π Capricorni.....		20 20 46.65	7		-18 38 (15.20)	1	
	Moon II.....N		20 31 11.11	5	-1 4.01	-16 30 3.17	7	-14 48.36
	ν Aquarii.....		21 2 24.64	7		-11 54 5.42	1	
13	θ Capricorni.....	IF	20 58 32.11	7		-17 45 9.55	1	
	ν Aquarii.....		21 2 24.68	7		-11 54 7.90	1	
	Moon II.....N		21 20 57.08	7	-1 3.27	-14 7 38.08	7	-14 49.03
	μ Capricorni.....		21 46 6.32	7		-14 10 8.53	1	
	ϵ Aquarii.....		21 59 18.73	7		-14 30 25.42	1	
14	μ Capricorni.....	JS	21 46 6.28	7		-14 10 9.80	1	
	ϵ Aquarii.....		21 59 18.73	7		-14 30 24.26	1	
	Moon II.....N		22 9 44.74	6	-1 2.73	-11 6 26.59	7	-14 52.52
	σ Aquarii.....		22 23 39.68	7		-11 21 3.21	1	
28	α Leonis.....	JS	10 1 20.76	7		+12 36 34.73	1	
	Moon I.....N		10 22 4.92	6	+1 8.24	+10 43 54.78	6	-16 8.33
	γ Leonis.....		10 53 54.93	7		+ 6 48 29.67	1	
	χ Leonis.....		10 58 13.12	6		+ 8 2 49.89	1	
June 1	Moon.....N	CF	...		...	- 7 11 15.85	5	-15 36.05
	κ Virginis.....		...			- 9 39 31.18	1	
	λ Virginis.....		...			-12 45 45.70	1	
2	κ Virginis.....	B	14 5 53.25	7		- 9 39 30.47	1	
	λ Virginis.....		14 12 0.27	7		-12 45 46.65	1	
	Moon I.....N		14 50 17.97	7	+1 5.40	-11 7 4.06	6	-15 27.57
	ζ^1 Libræ.....		15 20 51.23	7		-16 15 15.71	1	
	γ^1 Libræ.....		15 28 10.85	7		-14 20 49.37	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. June 3	♄ Libræ.....	IF	h m s 15 20 51.04	7	m s	—16 15 16.30	1	" "
	γ Libræ.....		15 28 10.86	7		—14 20 49.32	1	
	Moon I.....N		15 43 25.03	7	+1 5.69	—14 24 31.37	7	—15 19.17
	ν Scorpii.....		16 4 21.85	7		—19 6 51.18	1	
	ψ Ophiuchi.....		16 16 25.17	7		—19 43 28.35	1	
5	θ Ophiuchi.....	JS	...			—24 51 47.76	1	
	Moon.....N		...		...	—18 28 1.78	7	—15 3.59
7	♄ Sagittarii.....	G	18 56 59.53	7		—21 55 43.08	1	
	π Sagittarii.....		19 1 56.92	7		—21 13 38.40	1	
	Moon II.....N		19 19 46.59	7	—1 5.13	—18 42 12.51	7	—14 51.72
	♄ Sagittarii.....		19 34 59.97	5		—16 25 38.45	1	
	f Sagittarii.....		19 38 41.57	7		—20 4 19.27	1	
8	♄ Sagittarii.....	B	19 34 59.99	7		—16 25 38.03	1	
	f Sagittarii.....		19 38 41.58	7		—20 4 19.26	1	
	Moon II.....N		20 11 33.38	5	—1 4.35	—17 26 4.44	7	—14 48.12
	ρ Capricorni.....		20 21 21.71	7		—18 14 37.95	1	
	τ ² Capricorni.....		20 31 55.15	7		—15 24 43.02	1	
9	ρ Capricorni.....	IF	20 21 21.65	7		—18 14 37.97	1	
	τ ² Capricorni.....		20 31 55.19	7		—15 24 42.23	1	
	Moon II.....N		21 1 56.37	7	—1 3.49	—15 21 39.71	6	—14 46.67
	γ Capricorni.....		21 32 47.92	7		—17 15 10.17	1	
	δ Capricorni.....		21 39 46.56	7		—16 43 14.07	1	
10	γ Capricorni.....	G	21 32 47.82	6		—17 15 12.73	1	
	δ Capricorni.....		21 39 46.49	7		—16 43 14.64	1	
	Moon II.....N		21 51 0.68	7	—1 2.75	—12 35 55.29	5	—14 47.79
	θ Aquarii.....		22 9 53.19	7		—8 26 11.61	1	
	σ Aquarii.....		22 23 40.70	7		—11 20 57.62	1	
11	σ Aquarii.....	JS	22 23 40.56	7		—11 20 57.04	1	
	Moon II.....N		22 39 4.06	6	—1 2.27	—9 16 17.05	7	—14 51.69
	ψ ³ Aquarii.....		23 12 6.44	7		—10 19 44.03	1	

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Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. June 12	ψ^s Aquarii	CF	h m s 23 12 6.24	7	m s	$-10^{\circ} 19' 44''.43$	1	" "
	Moon II. N		23 26 39.34	6	-1 2.19	$-5^{\circ} 30' 5''.27$	7	-14 58.30
	30 Piscium		23 55 12.05	7		$-6^{\circ} 44' 41''.66$	1	
	33 Piscium		23 58 35.44	7		$-6^{\circ} 26' 37''.55$	1	
28	θ Virginis	G	13 3 8.32	7		$-4^{\circ} 50' 4''.99$	1	
	α Virginis		13 18 15.89	7		$-10^{\circ} 28' 21''.65$	1	
	Moon I. N		13 42 8.75	7	+1 5.20	$-5^{\circ} 43' 32''.65$	7	-15 38.49
	κ Virginis		14 5 53.09	7		$-9^{\circ} 39' 29''.97$	1	
	λ Virginis		14 11 59.99	7		$-12^{\circ} 45' 46''.51$	1	
30	δ Libræ	G	14 53 57.13	7		$-7^{\circ} 59' 33''.92$	1	
	β Libræ		15 9 56.35	7		$-8^{\circ} 53' 37''.14$	1	
	Moon I. N		15 26 35.40	7	+1 5.27	$-13^{\circ} 19' 13''.57$	3	-15 18.18
	48 Libræ		15 50 50.35	7		$-13^{\circ} 53' 43''.25$	1	
	51 Libræ		15 57 9.01	7		$-11^{\circ} 0' 20''.55$	1	
July 1	48 Libræ	G	15 50(49.99)	7		$-13^{\circ} 53' 44''.49$	1	
	51 Libræ		15 57 8.92	7		$-11^{\circ} 0' 20''.84$	1	
	Moon I. N		16 19 19.99	7	+1 5.52	$-16^{\circ} 5' 18''.61$	7	-15 9.59
	B.A.C. 5579		16 33 58.91	7		$-17^{\circ} 28' 56''.90$	1	
	η Ophiuchi		17 2 50.99	7		$-15^{\circ} 33' 23''.09$	1	
6	Moon II. N	B	20 44 11.39	6	-1 3.71	$-16^{\circ} 18' 27''.92$	7	-14 45.28
7	ι Capricorni	G	21 14 55.88	7		$-17^{\circ} 23' 24''.16$	1	
	Moon II. N		21 33 46.36	7	-1 2.87	$-13^{\circ} 48' 15''.27$	3	-14 44.83
	ι Aquarii		21 59 20.44	7		$-14^{\circ} 30' 15''.05$	1	
	θ Aquarii		22 9 53.96	7		$-8^{\circ} 26' 6''.98$	1	
8	θ Aquarii	JS	22 9 54.05	7		$-8^{\circ} 26' 8''.58$	1	
	Moon II. N		22 22 5.64	6	-1 2.20	$-10^{\circ} 41' 32''.36$	7	-14 46.52
9	λ Aquarii	G	22 45 45.43	7		$-8^{\circ} 16' 38''.83$	1	
	λ^1 Aquarii		22 58 18.47	7		$-8^{\circ} 24' 4''.96$	1	
	Moon II. N		23 9 31.60	7	-1 1.82	$-7^{\circ} 6' 13''.18$	5	-14 50.46
	27 Piscium		23 51 56.46	7		$-4^{\circ} 17' 6''.18$	1	
25	Moon I. N	IF	13 24 47.31	7	+1 6.06	$-4^{\circ} 6' 3''.54$	6	-15 52.54
	κ Virginis		14 5 52.84	7		$-9^{\circ} 39' 28''.72$	1	
	λ Virginis		14 11 59.67	7		$-12^{\circ} 45' 45''.51$	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. July 26	α Virginis.....	IF	h m s 14 5 52.91	7	m s	— 9 39 28.90	1	' "
	λ Virginis.....		14 11 59.68	7		— 12 45 44.29	1	
	Moon I.....N		14 17 52.86	7	+1 5.60	— 8 25 25.57	7	—15 38.21
	α^2 Libræ.....		14 43 36.44	7		— 15 29 31.42	1	
	δ Libræ.....		14 53 57.01	7		— 7 59 35.02	1	
27	α^2 Libræ.....	G	14 43 36.42	7		— 15 29 29.78	1	
	δ Libræ.....		14 53 56.90	7		— 7 59 34.02	1	
	Moon I.....N		15 10 31.33	7	+1 5.46	— 12 10 28.44	7	—15 25.07
	48 Libræ.....		15 50 50.08	6		— 13 53 42.31	1	
28	θ Libræ.....	CF	15 46 20.77	7		— 16 20 20.69	1	
	48 Libræ.....		15 50 50.08	7		— 13 53 42.03	1	
	Moon I.....N		16 3 9.51	7	+1 5.51	— 15 12 24.67	6	—15 13.62
	ϕ Ophiuchi.....		16 23 37.45	7		...		
	B.A.C. 5579.....		16 33 58.74	7		— 17 28 58.23	1	
Aug. 9	σ Piscium.....	G	1 38 27.54	7		+ 8 29 41.12	1	
	ξ Piscium.....		1 46 45.33	6		+ 2 32 14.08	1	
	Moon II.....N		2 4 45.99	7	—1 3.74	+ 7 41 50.82	7	—15 16.14
	ξ^2 Ceti.....		2 21 10.37	7		+ 7 52 7.88	1	
	μ Ceti.....		2 37 50.31	7		+ 9 33 23.02	1	
24	γ Libræ.....	JS	15 28 10.20	7		— 14 20 47.25	1	
	Moon I.....N		15 44 48.47	7	+1 6.17	— 14 11 54.76	5	—15 26.53
	β^1 Scorpïi.....		15 57 47.66	7		— 19 26 26.13	1	
	ν Scorpïi.....		16 4 21.33	7		— 19 6 51.67	1	
25	β^1 Scorpïi.....	G	15 57 47.60	7		— 19 26 26.84	1	
	ν Scorpïi.....		16 4 21.30	7		— 19 6 50.67	1	
	Moon I.....N		16 38 21.72	7	+1 6.05	— 16 44 11.77	7	—15 13.60
	η Ophiuchi.....		17 2 50.63	7		— 15 33 23.40	1	
	ν Serpents.....		17 13 26.34	7		— 12 42 27.10	1	
27	α Sagittarii.....	JS	18 17 31.85	7		— 20 36 23.26	1	
	Moon I.....N		18 24 43.98	7	+1 5.50	— 19 0 53.53	5	—14 54.78
	ξ^2 Sagittarii.....		18 49 53.92	7		— 21 16 27.71	1	
	σ Sagittarii.....		18 56 49.03	7		— 21 55 45.12	1	

512 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. Aug. 28	ξ^s Sagittarii	OF	h m s 18 49 53.85	7	m s	-21 16 24.75	1	" "
	ϵ Sagittarii		18 56 48.96	7		-21 55 43.14	1	
	Moon I. ....S		19 17 7.74	7	+1 4.94	-19 13 27.86	6	+14 49.05
	ϵ^2 Sagittarii		19 35 0.44	7		-16 25 36.01	1	
	f Sagittarii		19 38 42.28	7		-20 4 16.11	1	
29	ϵ^2 Sagittarii	G	19 35 0.64	7		-16 25 35.94	1	
	f Sagittarii		19 38 42.22	7		-20 4 19.26	1	
	Moon I. ....S.		20 8 37.52	7	+1 4.21	-18 2 31.36	7	+14 45.72
	π Capricorni		20 19 48.29	3		-18 38 15.67	1	
	τ^2 Capricorni		20 31 56.07	7		-15 24 38.59	1	
30	π Capricorni	G	20 19 48.52	7		-18 38 14.90	1	
	τ^2 Capricorni .....		...			-15 24 39.11	1	
	Moon I. ....S		20 59 1.21	7	+1 3.39	-16 2 31.55	4	+14 44.32
	γ Capricorni		21 32 49.29	7		-17 15 6.15	1	
	δ Capricorni		21 39 47.98	7		-16 43 9.77	1	
Sept. 1	σ Aquarii	G	22 23 42.45	7		-11 20 49.15	1	
	Moon I. ....N		22 36 28.55	7	+1 2.00	-9 33 21.16	4	-14 46.95
2	ϕ Aquarii	IF	23 7 31.87	7		-6 45 15.62	1	
	ψ^2 Aquarii		23 11 5.29	7		-9 53 50.80	1	
	Moon II. ....N		23 26 0.31	7	-1 1.66	-5 49 43.06	7	-14 50.39
	30 Piscium		23 55 14.07	7		-6 44 32.00	1	
	33 Piscium		23 58 37.30	7		-6 26 27.45	1	
23	ξ Serpentis	IF	17 30 3.35	7		-15 18 36.16	1	
	58 Ophiuchi .....		...			-21 36 50.29	1	
	Moon I. ....S.		18 5 21.27	7	+1 6.23	-19 26 9.67	5	+15. 4.35
	λ Sagittarii		18 19 51.50	7		-25 29 22.04	1	
	ξ^2 Sagittarii		18 49 53.35	7		-21 16 26.89	1	
24	λ Sagittarii	G	18 19 51.42	7		-25 29 21.80	1	
	ξ^2 Sagittarii		18 49 53.38	7		-21 16 27.02	1	
	Moon I. ....S		18 58 34.99	7	+1 5.57	-19 31 29.64	7	+14 55.61
	ρ^1 Sagittarii		19 14 3.11	7		-18 5 21.73	1	
	ϵ^2 Sagittarii		19 35 0.31	7		-16 25 36.76	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. Sept. 25	ρ^1 Sagittarii.....	JS	h m s 19 14 3'15	7	m s	-18 5' 22"05	1	" "
	Moon I.....S		19 50 41'25	7	+1 4'73	-18 38 19'15	6	+14 49'67
	ν^2 Capricorni.....		20 31 55'80	7		-15 24 40'16	1	
27	ν Aquarii.....	Q	21 2 26'66	7		-11 53 56'61	1	
	ϵ Capricorni.....		21 14 56'18	7		-17 23 25'19	1	
	Moon I.....S		21 31 8'97	7	+1 3'00	-14 24 43'53	5	+14 46'06
	μ Capricorni.....		21 46 8'53	7		-14 9 59'53	1	
	ϵ Aquarii.....		21 59 21'14	7		-14 30 14'20	1	
30	20 Piscium.....	JS	23 41 12'23	7		- 3 29 22'90	1	
	27 Piscium.....		23 51 57'80	7		- 4 16 58'12	1	
	Moon I.....S		23 54 58'25	7	+1 1'85	- 3 41 39'16	6	+14 56'44
Oct. 1	44 Piscium.....	IF	0 18 41'06	7		+ 3 12 49'92	1	
	13 Ceti.....		0 28 30'02	7		- 4 18 53'18	1	
	Moon II.....S		0 44 45'71	7	-1 2'19	+ 0 39 22'35	7	+15 2'57
	ζ Piscium (1st Star)		1 6 53'14	7		+ 6 52 51'74	1	
	μ Piscium.....		1 23 19'23	7		+ 5 27 59'89	1	
2	ζ Piscium (1st Star)	CF	1 6 53'30	7		+ 6 52 53'60	1	
	μ Piscium.....		1 23 19'38	7		+ 5 28 2'38	1	
	Moon II.....N		1 33 18'95	7	-1 2'96	+ 5 12 47'21	7	-15 9'65
	ϵ^1 Piscium.....		1 46 46'31	7		+ 3 32 22'52	1	
	ϵ^1 Ceti.....		2 6 3'38	7		+ 8 13 48'82	1	
7	ζ Tauri.....	IF	5 29 47'91	7		+21 3 28'87	1	
	χ^1 Orionis.....		5 46 36'29	7		+20 14 51'11	1	
	Moon II.....N		6 5 23'19	7	-1 10'09	+19 34 40'39	5	-15 52'59
	μ Geminorum....		6 15 0'64	7		+22 34 31'87	1	
	γ Geminorum....		6 30 7'18	7		+16 30 27'10	1	
22	Moon I.....S	IF	19 30 15'12	7	+1 5'58	-19 18 27'71	6	+14 57'01
	β Capricorni.....		20 13 37'55	7		-15 11 30'85	1	
26	σ Aquarii.....	JS	22 23 42'18	7		-11 20 51'18	1	
	τ^1 Aquarii.....		22 42 38'65	7		-14 17 2'14	1	
	Moon I.....S		22 49 8'48	7	+1 2'12	- 9 15 51'48	4	+14 50'89
	ϕ Aquarii.....		23 7 31'70	7		- 6 45 19'26	1	
	ψ^1 Aquarii.....		23 11 5'17	4		- 9 53 52'88	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi-diameter.	Observed Dec.	No. of Wires.	Semi-diameter.
1868.			h m s		m s			
Oct. 30	ν Piscium	CF	1 34 37.00	7		+ 4 49 21.23	1	" "
	ξ Piscium		1 46 46.59	5		+ 2 32 18.52	1	
	Moon I. ....S		2 2 22.54	7	+1 4.08	+ 7 19 17.07	7	+15 20.15
	ζ^2 Ceti		2 21 11.86	7		+ 7 52 13.20	1	
Nov. 2	ϵ Tauri	JS	4 20 58.14	7		+18 53 9.46	1	
	α Tauri		4 28 24.28	7		+16 14 30.93	1	
	Moon II. ....N		4 47 53.77	7	-1 8.84	+17 53 54.49	7	-15 45.91
	η Tauri		5 20 13.79	7		+15 45 36.24	1	
	ζ Tauri		5 29 48.69	7		+21 3 29.18	1	
4	ν Geminorum.....	G	6 21 10.56	7		+20 17 26.83	1	
	γ Geminorum.....		6 30 8.13	7		+16 30 25.41	1	
	Moon II. ....S		6 47 59.25	7	-1 10.79	+19 25 39.96	5	+15 58.98
	λ Geminorum.....		7 10 33.15	7		+16 46 23.49	1	
	δ Geminorum ...		7 19 56.83	7		+21 42 31.27	1	
5	Moon	CF	...		...	+18 34 5.35	6	+16 3.96
	δ Cancri .....		...			+18 37 59.21	1	
6	Moon II. ....S	IF	8 49 51.26	7	-1 10.19	+16 27 54.82	6	+16 7.82
23	ϕ Aquarii.....	JS	23 7 31.36	7		- 6 45 19.77	1	
	Moon I. ....S		23 17 1.95	7	+1 1.88	- 7 16 28.69	6	+14 52.14
24	β Piscium	CF	23 55 13.85	7		- 6 44 34.84	1	
	β Piscium		23 58 37.28	7		- 6 26 29.25	1	
	Moon I. ....S		0 4 2.15	7	+1 1.93	- 3 12 45.32	7	+14 58.31
	η Ceti		0 23 20.85	7		- 4 40 50.26	1	
	η Ceti		0 28 29.89	7		- 4 18 55.66	1	
25	η Ceti	IF	0 23 20.79	7		- 4 40 57.48	1	
	η Ceti		0 28 29.98	7		- 4 18 56.06	1	
	Moon I. ....S		0 51 33.65	7	+1 2.50	+ 1 3 12.64	7	+15 6.92
	ζ Piscium (1st Star) ..		1 6 53.24	7		+ 6 52 51.76	1	
	ν Piscium		1 34 36.99	7		+ 4 49 19.45	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. Nov. 26	ζ Piscium (1st Star).....	G	$\begin{matrix} h & m & s \\ 1 & 6 & 53 \cdot 21 \end{matrix}$	7	$\begin{matrix} m & s \\ & & \end{matrix}$	$+ 6 \ 52 \ 53 \cdot 03$	1	" "
	ν Piscium		$\begin{matrix} 1 & 34 & 36 \cdot 93 \end{matrix}$	7		$+ 4 \ 49 \ 21 \cdot 90$	1	
	Moon I. ....S		$\begin{matrix} 1 & 40 & 24 \cdot 19 \end{matrix}$	7	$+1 \ 3 \cdot 59$	$+ 5 \ 21 \ 55 \cdot 18$	7	$+15 \ 17 \cdot 32$
	ξ^1 Ceti		$\begin{matrix} 2 & 6 & 3 \cdot 71 \end{matrix}$	7		$+ 8 \ 13 \ 47 \cdot 80$	1	
	ξ^2 Ceti		$\begin{matrix} 2 & 21 & 12 \cdot 01 \end{matrix}$	7		$+ 7 \ 52 \ 13 \cdot 19$	1	
28	λ Ceti	JS	$\begin{matrix} 2 & 52 & 42 \cdot 05 \end{matrix}$	7		$+ 8 \ 22 \ 57 \cdot 01$	1	
	σ Tauri		$\begin{matrix} 3 & 17 & 46 \cdot 16 \end{matrix}$	7		$+ 8 \ 33 \ 52 \cdot 29$	1	
	Moon I. ....S		$\begin{matrix} 3 & 25 & 2 \cdot 14 \end{matrix}$	7	$+1 \ 6 \cdot 99$	$+13 \ 19 \ 5 \cdot 47$	6	$+15 \ 40 \cdot 72$
	ϵ Tauri		$\begin{matrix} 3 & 41 & 5 \cdot 60 \end{matrix}$	6		$+10 \ 44 \ 11 \cdot 37$	1	
	λ Tauri		$\begin{matrix} 3 & 53 & 25 \cdot 86 \end{matrix}$	7		$+12 \ 7 \ 0 \cdot 37$	1	
30	Moon II. ....N	CF	$\begin{matrix} 5 & 23 & 58 \cdot 02 \end{matrix}$	7	$-1 \ 10 \cdot 58$	$+19 \ 9 \ 6 \cdot 44$	7	$-16 \ 0 \cdot 94$
	χ^4 Orionis		$\begin{matrix} 5 & 56 & 8 \cdot 42 \end{matrix}$	7		$+20 \ 8 \ 12 \cdot 41$	1	
	η Geminorum		$\begin{matrix} 6 & 6 & 58 \cdot 47 \end{matrix}$	7		$+22 \ 32 \ 24 \cdot 19$	1	
Dec. 1	χ^4 Orionis	JS	$\begin{matrix} 5 & 56 & 8 \cdot 55 \end{matrix}$	7		$+20 \ 8 \ 13 \cdot 41$	1	
	η Geminorum		$\begin{matrix} 6 & 6 & 58 \cdot 36 \end{matrix}$	7		$+22 \ 32 \ 25 \cdot 25$	1	
	Moon II. ....S		$\begin{matrix} 6 & 25 & 59 \cdot 82 \end{matrix}$	7	$-1 \ 11 \cdot 58$	$+19 \ 35 \ 9 \cdot 49$	6	$+16 \ 7 \cdot 90$
	ζ Geminorum		$\begin{matrix} 6 & 56 & 20 \cdot 23 \end{matrix}$	7		$+20 \ 45 \ 26 \cdot 50$	1	
	δ Geminorum		$\begin{matrix} 7 & 12 & 17 \cdot 85 \end{matrix}$	7		$+22 \ 13 \ 7 \cdot 77$	1	
2	ζ Geminorum	IF	$\begin{matrix} 6 & 56 & 20 \cdot 52 \end{matrix}$	7		$+20 \ 45 \ 26 \cdot 87$	1	
	δ Geminorum		$\begin{matrix} 7 & 12 & 17 \cdot 84 \end{matrix}$	7		$+22 \ 13 \ 7 \cdot 09$	1	
	Moon II. ....S		$\begin{matrix} 7 & 28 & 55 \cdot 47 \end{matrix}$	7	$-1 \ 11 \cdot 74$	$+19 \ 12 \ 25 \cdot 01$	4	$+16 \ 12 \cdot 18$
	ι Cancrī		$\begin{matrix} 7 & 49 & 33 \cdot 02 \end{matrix}$	7		$+16 \ 8 \ 10 \cdot 98$	1	
	μ^2 Cancrī		$\begin{matrix} 8 & 0 & 3 \cdot 03 \end{matrix}$	7		$+21 \ 57 \ 27 \cdot 58$	1	
4	α Cancrī	CF	$\begin{matrix} 8 & 51 & 18 \cdot 82 \end{matrix}$	7		$+12 \ 21 \ 46 \cdot 30$	1	
	κ Cancrī		$\begin{matrix} 9 & 0 & 38 \cdot 64 \end{matrix}$	7		$+11 \ 11 \ 37 \cdot 53$	1	
	Moon II. ....S		$\begin{matrix} 9 & 31 & 56 \cdot 15 \end{matrix}$	7	$-1 \ 9 \cdot 89$	$+14 \ 34 \ 27 \cdot 54$	5	$+16 \ 13 \cdot 33$
	α Leonis		$\begin{matrix} 10 & 1 & 22 \cdot 93 \end{matrix}$	7		$+12 \ 36 \ 23 \cdot 95$	1	
7	ν Virginis	JS	...			$+ 7 \ 15 \ 52 \cdot 77$	1	
	π Virginis		$\begin{matrix} 11 & 54 & 8 \cdot 21 \end{matrix}$	6		$+ 7 \ 20 \ 47 \cdot 10$	1	
	Moon II. ....S		$\begin{matrix} 12 & 21 & 30 \cdot 95 \end{matrix}$	7	$-1 \ 6 \cdot 59$	$+ 1 \ 26 \ 37 \cdot 49$	7	$+16 \ 2 \cdot 07$
24	ξ Piscium	JS	$\begin{matrix} 1 & 46 & 46 \cdot 47 \end{matrix}$	7		$+ 2 \ 32 \ 16 \cdot 67$	1	
	ξ^1 Ceti		$\begin{matrix} 2 & 6 & 3 \cdot 54 \end{matrix}$	7		$+ 8 \ 13 \ 45 \cdot 79$	1	
	Moon I. ....S		$\begin{matrix} 2 & 7 & 20 \cdot 58 \end{matrix}$	7	$+1 \ 3 \cdot 94$	$+ 7 \ 26 \ 11 \cdot 20$	5	$+15 \ 18 \cdot 50$
	ξ^2 Ceti		$\begin{matrix} 2 & 21 & 11 \cdot 82 \end{matrix}$	7		$+ 7 \ 52 \ 11 \cdot 35$	1	

516 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1868. Dec. 25	ξ^a Oeti	CF	h m s 2 21 11.79	7	m s	+ 7 52 13.32	1	" "
	μ Oeti.....		2 37 51.87	7		+ 9 33 29.72	1	
	Moon I.....	S	2 58 50.69	7	+1 5.80	+11 24 56.48	6	+15 32.18
	f Tauri.....		3 23 38.82	7		+12 29 3.25	1	
	ϵ Tauri.....		3 41 5.74	7		+10 44 11.91	1	
27	δ^1 Tauri	CF	4 15 23.33	7		+17 13 52.34	1	
	ϵ Tauri		4 28 24.80	7		+16 14 31.22	1	
	Moon I.....	S	4 52 0.53	7	+1 10.14	+17 38 42.24	7	+16 0.92
28	χ^1 Orionis	G	5 46 38.22	7		+20 14 48.31	1	
	Moon I.....	S	5 53 47.46	7	+1 11.88	+19 17 47.70	7	+16 13.30
	γ Geminorum.....		6 30 9.27	7		+16 30 22.28	1	
29	μ Geminorum.....	JS	6 15 2.70	7		+22 34 34.40	1	
	γ Geminorum.....		6 30 9.29	7		+16 30 22.46	1	
	Moon II.	S	7 0 19.12	7	-1 12.78	+19 36 49.15	7	+16 22.56
	δ Geminorum.....		7 12 18.42	7		+22 13 7.23	1	
	κ Geminorum.....		7 36 32.64	7		+24 42 26.55	1	
1869. Jan. 1	ρ Leonis.....	JS	9 34 9.61	7		+10 29 7.65	1	
	Moon II.....	S	10 10 9.02	7	-1 10.15	+12 21 33.17	7	+16 25.59
22	ξ Tauri	CF	3 20 4.39	7		+ 9 16 19.72	1	
	Moon I.	S	3 27 8.65	7	+1 6.09	+13 12 43.42	7	+15 29.66
	γ Tauri		4 12 20.70	7		+15 18 26.28	1	
	δ^2 Tauri		4 17 55.04	7		+17 37 28.50	1	
23	γ Tauri	G	4 12 20.76	7		+15 18 25.99	1	
	δ^2 Tauri		4 17 55.07	7		+17 37 26.99	1	
	Moon I.	S	4 22 16.55	7	+1 8.36	+16 17 54.75	7	+15 45.47
	η Orionis		4 57 5.62	7		+15 13 1.56	1	
	ζ Orionis.....		5 2 12.74	7		+15 25 31.07	1	
24	η Orionis	G	4 57 5.44	7		+15 13 2.28	1	
	ζ Orionis		5 2 12.55	7		+15 25 30.25	1	
	Moon I.....	S	5 21 9.94	7	+1 10.61	+18 31 9.51	7	+16 1.84
	χ^1 Orionis.....		5 46 38.17	7		+20 14 48.62	1	
	ν Geminorum.....		6 21 11.66	7		+20 17 24.13	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Jan. 25	χ^1 Orionis	JS	h m s 5 46 38.25	7	m s	+20° 14' 49".57	1	" "
	ν Geminorum		6 21 11.81	7		...		
	Moon I. ....N		6 23 31.63	7	+1 12.33	+20 7 33.83	6	-16 17.21
	ζ^2 Geminorum		6 56 20.96	7		+20 45 29.12	1	
	λ Geminorum		7 10 34.39	7		+16 46 20.37	1	
26	ζ^2 Geminorum	IF	6 56 20.95	7		+20 45 28.54	1	
	λ Geminorum		7 10 34.58	7		+16 46 21.83	1	
	Moon I. ....S		7 28 15.29	7	+1 13.20	+19 15 15.72	7	+16 29.99
	ζ Cancri .....		...			+18 2 18.45	1	
	d^1 Cancri		8 15 52.42	7		+18 44 53.55	1	
28	ϕ^2 Cancri	OF	8 50 17.02	7		+16 4 50.53	1	
	π Cancri		9 8 0.67	7		+15 28 51.97	1	
	Moon II. ....N		9 40 28.10	7	-1 12.03	+14 51 14.48	5	-16 41.60
	α Leonis		10 1 24.12	7		+12 36 15.34	1	
	ρ Leonis		10 25 55.58	7		+9 58 41.76	1	
30	Moon II. ....S	G	11 42 13.10	7	-1 9.12	+5 13 44.74	7	+16 31.74
	η Virginis		12 13 12.56	7		+9 3 39.73	1	
	γ Virginis (1st Star).		12 35 1.56	7		-9 43 47.24	1	
31	γ Virginis (1st Star).	G	12 35 1.65	7		-9 43 48.12	1	
	Moon II. ....S		12 39 31.97	7	-1 7.93	+8 7 37.37	7	+16 20.60
	κ Virginis		12 52 54.87	7		-3 6 16.83	1	
	δ Virginis		12 57 9.85	7		-2 57 25.97	1	
Feb. 2	κ Virginis	CF	14 5 54.66	7		-9 39 40.18	1	
	ι Virginis		14 9 8.88	7		-5 22 23.87	1	
	Moon II. ....S		14 29 54.49	7	-1 6.80	-9 26 21.55	7	+15 53.16
	β Libræ		15 9 57.10	4		-8 53 46.99	1	
19	Moon	S IF	...		...	+15 5 48.70	5	+15 25.24
	α Tauri .....		...			+16 14 29.63	1	
20	α Tauri	JS	4 28 24.32	5		+16 14 29.07	1	
	Moon I. ....S		4 53 58.33	7	+1 8.48	+17 39 2.69	5	+15 40.12
	η Tauri		5 24 32.18	7		+18 29 32.19	1	
	ζ Tauri		5 29 49.30	7		+21 3 29.38	1	

518 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Feb. 25	18 Leonis.....	G	h m s 9 39 20.67	7	m s	+12° 24' 35".39	1	" "
	γ Leonis.....		9 51 11.42	7		+13 3 58.41	1	
	Moon I.....N		10 6 20.53	7	+1 11.75	+13 3 47.73	4	—16 45.59
	ρ Leonis.....		10 25 55.75	7		+9 58 39.29	1	
	ι Leonis.....		10 42 23.26	7		+11 14 7.95	1	
26	ρ Leonis.....	IF	10 25 55.84	7		+9 58 39.70	1	
	ι Leonis.....		10 42 23.22	7		+11 14 7.31	1	
	Moon II.....S.		11 10 41.76	7	—1 10.64	+7 51 45.46	7	+16 46.25
	ν Virginis.....		11 39 8.59	7		+7 15 40.46	1	
	π Virginis.....		11 54 10.62	7		+7 20 35.19	1	
27	ν Virginis.....	JS	11 39 8.64	7		+7 15 41.86	1	
	π Virginis.....		11 54 10.63	7		+7 20 36.11	1	
	Moon II.....S.		12 10 47.00	5	—1 9.56	+2 41 3.58	2	+16 40.87
	γ Virginis (1st Star)		12 35 2.18	6		—0 43 50.53	1	
	38 Virginis.....		12 46 29.67	6		—2 50 30.43	1	
Mar. 1	2 ^a Virginis.....	G	13 25 10.20	7		—5 34 44.22	1	
	80 Virginis.....		13 28 43.31	7		—4 43 42.18	1	
	Moon II.....S.		14 6 27.34	7	—1 8.21	—7 35 24.62	7	+16 16.15
	ξ ^a Libræ.....		14 49 40.25	7		—10 52 42.50	1	
	8 Libræ.....		14 53 59.00	7		—7 59 48.26	1	
2	Moon II.....S.	JS	15 2 58.88	5	—1 7.94	—11 59 18.34	2	+16 0.29
	θ Libræ.....		15 46 22.36	7		—16 20 28.51	1	
	48 Libræ.....		15 50 51.49	7		—13 53 52.79	1	
3	θ Libræ.....	IF	15 46 22.38	7		—16 20 28.65	1	
	48 Libræ.....		15 50 51.47	7		—13 53 52.19	1	
	Moon.....S.		...		...	—15 33 41.68	7	+15 44.08
	ψ Ophiuchi.....		16 16 26.36	7		—19 43 36.46	1	
19	α Tauri.....	IF	4 28 23.78	7		+16 14 28.77	1	
	Moon I.....S.		4 34 5.90	7	+1 6.95	+16 59 47.79	6	+15 23.94
20	Moon I.....	JS	5 30 10.95	7	+1 8.74	...		...
21	ν Geminorum.....	G	6 21 11.08	7		+20 17 24.64	1	
	Moon I.....N.		6 28 56.05	6	+1 10.25	+20 17 58.85	7	—15 50.43
	8 Geminorum.....		7 12 18.09	6		+22 13 4.33	1	

Data.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869.			h m s		m s			
Mar. 22	8 Geminorum.....	IF	7 12 18.14	7		+22 13 7.88	1	" "
	63 Geminorum....		7 19 58.09	7		+21 42 32.40	1	
	Moon I.....N.		7 29 47.03	7	+1 11.22	+19 54 39.76	7	-16 5.00
	ζ Cancri.....		8 4 42.30	7		+18 2 17.56	1	
	η Cancri.....		8 25 8.41	7		+20 52 56.57	1	
23	ζ Cancri.....	G	8 4 42.35	7		+18 2 19.74	1	
	η Cancri.....		8 25 8.40	7		+20 52 57.85	1	
	Moon I.....N.		8 31 47.75	7	+1 11.54	+18 11 17.47	7	-16 18.92
	π ³ Cancri.....		9 8 0.57	7		+15 28 51.28	1	
	83 Cancri.....		9 11 40.81	7		+18 15 25.84	1	
24	π ³ Cancri.....	JS	...			+15 28 53.50	1	
	83 Cancri.....		...			+18 15 25.96	1	
	Moon.....N.		...		...	+15 10 8.33	3	-16 30.88
	ν Leonis.....		...			+13 3 56.43	1	
	α Leonis.....		...			+12 36 16.78	1	
27	10 Virginis.....	IF	12 2 59.82	7		+ 2 37 56.48	1	
	c Virginis.....		...			+ 4 2 27.68	1	
	Moon II.....S.		12 37 38.73	7	-1 9.43	+ 0 12 40.20	7	+16 40.47
	k Virginis.....		12 52 55.85	7		- 3 6 22.36	1	
	48 Virginis.....		12 57 10.73	7		- 2 57 33.68	1	
28	48 Virginis.....	G	...			- 2 57 32.84	1	
	Moon N.....		...		...	- 4 33 12.92	4	-16 32.93
	94 Virginis.....		...			- 8 15 58.88	1	
	κ Virginis.....		...			- 9 39 48.21	1	
29	94 Virginis.....	JS	...			- 8 15 58.98	1	
	Moon.....S.		...		...	-10 0 24.37	7	+16 20.75
31	49 Libræ.....	IF	15 52 59.79	7		-16 8 40.17	1	
	φ Ophiuchi.....		16 23 39.42	7		-16 19 25.13	1	
	Moon II.....S.		16 30 49.36	7	-1 8.87	-17 20 41.55	7	+15 49.47
	29 Ophiuchi.....		16 54 12.45	7		-18 41 18.76	1	
	B.A.C. 5758.....		16 58 23.37	7		-21 22 43.80	1	

520 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Apr. 1	29 Ophiuchi.....	JS	h m s 16 54 12.59	4	m s	-18° 41' 18".78	1	" "
	B.A.O. 5758		16 58 23.15	7		-21 22 42.14	1	
	Moon II.....N.		17 28 17.42	6	-1 8.48	-18 53 51.52	7	-15 33'40
	μ^1 Sagittarii.....		18 5 56.64	7		-21 5 17.75	1	
	21 Sagittarii .....		...			-20 36 23.30	1	
19	μ^2 Canceri.....	JS	8 0 3.19	7		+21 57 30.56	1	
	ζ Canceri.....		8 4 41.76	7		+18 2 18.96	1	
	Moon I.....N.		8 9 32.13	7	+1 10.48	+19 11 7.75	6	-16 0.05
	δ Canceri.....		8 37 14.37	7		+18 37 56.08	1	
	ϵ^2 Canceri.....		8 50 16.36	7		+16 4 49.41	1	
21	ψ Leonis.....	IF	9 36 36.12	7		+14 37 5.61	1	
	ν Leonis.....		9 51 10.81	7		+13 4 1.59	1	
	Moon I.....N.		10 9 23.36	7	+1 9.78	+13 5 36.61	7	-16 20'22
	ρ Leonis.....		10 25 53.47	7		+ 9 58 41.78	1	
	ι Leonis		10 42 23.04	7		+11 14 9.96	1	
22	ι Leonis	JS	10 42 23.04	7		+11 14 10.04	1	
	Moon I.....N.		11 8 13.00	7	+1 9.23	+ 8 35 9.68	7	-16 27'31
	ν Virginis.....		11 39 8.64	7		+ 7 15 43.48	1	
	π Virginis		11 54 10.60	7		+ 7 20 53.48	1	
23	ν Virginis	IF	11 39 8.65	7		+ 7 15 44.12	1	
	π Virginis		11 54 10.78	7		+ 7 20 53.68	1	
	Moon I.....N		12 6 20.83	7	+1 8.85	+ 3 29 6.43	7	-16 31'20
	γ Virginis (one mass)		12 35 2.61	7		- 0 43 54.77	1	
	38 Virginis		12 46 30.02	7		- 2 50 32.85	1	
26	α Libræ.....	JS	14 16 24.48	7		-11 6 53.21	1	
	ξ Libræ.....		14 47 17.86	7		-11 21 44.38	1	
	Moon II. ....N		15 2 52.04	7	-1 9.28	-11 41 36.94	7	-16 16'84
	ζ^1 Libræ.....		15 20 53.77	7		-16 15 27.08	1	
	γ Libræ		15 28 13.53	7		-14 21 1.77	1	
27	ζ^1 Libræ.....	IF	15 20 53.79	7		-16 15 28.17	1	
	γ Libræ		15 28 13.48	7		-14 21 2.23	1	
	Moon II. ....N		16 1 47.68	7	-1 9.56	-15 30 24.12	7	-16 4.49
	χ Ophiuchi.....		16 19 27.40	7		-18 9 20.77	1	
	ϕ Ophiuchi		16 23 39.80	7		-16 19 27.00	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Apr. 28	ϕ Ophiuchi	JS	h m s 16 23 39.93	7	m s	$-16^{\circ} 19' 25''.90$	1	' "
	Moon II. ....N		17 0 52.81	6	-1 9.53	$-18 14 29.16$	7	$-15 50.29$
	ξ Ophiuchi		17 13 10.44	7		$-20 58 4.24$	1	
	58 Ophiuchi		17 35 35.89	7		$-21 36 53.51$	1	
29	ξ Ophiuchi	JS	...			$-20 58 5.80$	1	
	Moon	N	...		...	$-19 46 38.66$	7	$-15 35.40$
	21 Sagittarii .....		...			$-20 36 25.11$	1	
	ξ^a Sagittarii .....		...			$-21 16 26.08$	1	
30	21 Sagittarii	IF	18 17 33.90	7		$-20 36 26.46$	1	
	ξ^a Sagittarii		18 49 55.75	7		$-21 16 27.08$	1	
	Moon II. ....N		18 56 44.58	7	-1 8.08	$-20 6 28.73$	7	$-15 21.33$
	ρ^1 Sagittarii		19 14 5.22	7		$-18 5 21.35$	1	
	f Sagittarii		19 38 43.71	7		$-20 4 16.62$	1	
May 1	Moon II. ....N	JS	19 52 3.46	6	-1 6.73	$-19 19 14.61$	7	$-15 8.99$
	ρ Capricorni		20 21 23.44	6		$-18 14 34.34$	1	
	τ^a Capricorni		20 31 56.95	7		$-15 24 40.21$	1	
2	ρ Capricorni	JS	20 21 23.52	6		$-18 14 33.82$	1	
	τ^a Capricorni		20 31 56.76	7		$-15 24 36.63$	1	
	Moon II. ....N		20 45 4.65	7	-1 5.22	$-17 33 35.05$	7	$-14 59.09$
	θ Capricorni		20 58 34.93	7		$-17 45 0.00$	1	
	ι Capricorni		21 14 57.01	7		$-17 23 20.00$	1	
19	α Leonis	IF	10 1 23.78	7		$+12 36 19.46$	1	
	ρ Leonis		10 25 55.12	7		$+ 9 58 43.21$	1	
	Moon I. ....N		10 48 13.67	7	+1 8.50	$+10 26 53.17$	7	$-16 12.68$
20	ν Virginis	JS	11 39 8.33	7		$+ 7 15 44.85$	1	
	Moon I. ....N		11 44 48.96	7	+1 7.92	$+ 5 38 6.89$	7	$-16 16.28$
26	ξ Ophiuchi	IF	17 13 11.17	7		$-20 58 5.09$	1	
	Moon II. ....N		17 31 41.13	7	-1 9.57	$-19 19 48.85$	7	$-15 44.32$
	μ Sagittarii		18 5 57.53	7		$-21 5 18.16$	1	
	21 Sagittarii		18 17 34.59	7		$-20 36 25.03$	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869.			h m s		m s			
May 27	21 Sagittarii	JS	18 17 34.72	7		-20 36 23.52	1	" "
	Moon II. ....N		18 30 24.14	7	-1 9.02	-20 16 30.72	7	-15 31.96
	d Sagittarii		19 9 59.71	7		-19 10 53.00	1	
	p ¹ Sagittarii		19 14 5.82	7		-18 5 20.01	1	
28	d Sagittarii	IF	19 9 59.65	7		-19 10 51.20	1	
	p ¹ Sagittarii .....		...			-18 5 20.30	1	
	Moon II. ....N		19 27 39.67	7	-1 7.91	-20 0 36.20	7	-15 19.86
	57 Sagittarii		19 44 36.55	7		-19 22 21.94	1	
	σ Capricorni		20 11 51.21	7		-19 31 21.58	1	
30	Moon II. ....N	JS	21 15 13.01	6	-1 4.82	-16 22 49.85	7	-14 59.68
	8 Capricorni		21 39 49.13	7		-16 43 3.73	1	
	μ Capricorni		21 46 9.78	7		-14 9 53.05	1	
31	8 Capricorni	IF	21 39 49.37	7		-16 43 3.53	1	
	μ Capricorni		21 46 9.96	7		-14 9 52.53	1	
	Moon II. ....N		22 5 15.09	7	-1 3.34	-13 22 37.30	7	-14 53.05
	σ Aquarii		22 23 43.39	7		-11 20 44.54	1	
	τ ² Aquarii		22 42 39.74	5		-14 16 54.19	1	
June 1	σ Aquarii	JS	22 23 43.23	7		-11 20 44.20	1	
	τ ² Aquarii		22 42 39.65	7		-14 16 51.44	1	
	Moon II. ....N		22 53 14.91	6	-1 2.18	-9 49 11.53	7	-14 49.20
	ψ ¹ Aquarii		23 9 1.81	7		-9 47 58.68	1	
	96 Aquarii		23 12 36.57	4		-5 50 19.10	1	
16	χ Leonis	IF	10 58 15.76	7		+ 8 2 33.94	1	
	ι Leonis		11 17 6.12	7		+11 15 0.63	1	
	Moon I. ....N		11 28 9.78	7	+1 7.78	+ 7 19 50.52	7	-16 11.40
18	48 Virginia	IF	12 57 10.38	7		- 2 57 32.04	1	
	Moon I. ....N		13 18 19.41	7	+1 7.07	- 2 50 35.26	7	-16 7.67
	94 Virginia		13 59 23.12	7		...		
	ι Virginia		14 9 10.43	7		- 5 22 27.31	1	
22	B.A.C. 5579	IF	16 34 1.99	7		-17 29 6.13	1	
	Moon I. ....N		17 4 14.79	7	+1 9.10	-18 32 59.38	6	-15 43.00

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. June 30	Moon II. ....N	G	h m s 0 7 27.15	7	m s -1 1.25	- 3 33' 7".84	4	-14 48' 36"
	10 Ceti		0 19 55.20	7		- 0 46 24.68	1	
	20 Ceti		0 46 19.52	7		- 1 51 15.01	1	
July 15	γ Virginis (one mass)	G	12 35 1.98	7		- 0 43 53.82	1	
	38 Virginis.....		12 46 29.44	7		- 2 50 29.38	1	
	Moon I. ....N		13 2 7.13	7	+1 7.20	- 1 12 3.92	3	-16 10' 60"
	66 Virginis		13 17 45.03	7		- 4 28 43.91	1	
	7 ^a Virginis		13 25 10.22	5		- 5 34 44.83	1	
16	7 ^a Virginis	IF	13 25 10.54	7		- 5 34 43.99	1	
	Moon I. ....N		13 56 55.12	7	+1 7.12	- 6 13 43.41	7	-16 3' 57"
	2 Libræ.....		14 16 24.15	7		-11 6 52.25	1	
	ξ ¹ Libræ		14 47 17.89	7		-11 21 43.02	1	
17	2 Libræ.....	JS	14 16 24.19	7		-11 6 52.47	1	
	ξ ¹ Libræ		14 47 17.81	7		-11 21 43.21	1	
	Moon I. ....N		14 51 54.55	7	+1 7.41	-10 49 1.35	5	-15 55' 57"
	α ³ Libræ		15 15 45.19	7		-14 39 51.29	1	
	γ Libræ.....		15 28 13.74	7		-14 21 0.25	1	
18	Moon I. ....N	JS	15 47 37.79	7	+1 7.92	-14 42 47.64	6	-15 47' 28"
	φ Ophiuchi		16 23 40.67	7		-16 19 24.58	1	
	B.A.C. 5579		16 34 2.02	7		-17 29 5.64	1	
19	φ Ophiuchi	G	16 23 40.52	7		-16 19 24.67	1	
	B.A.C. 5579		16 34 1.99	7		-17 29 5.77	1	
	Moon I. ....N		16 44 15.73	7	+1 8.39	-17 41 58.61	5	-15 38' 78"
	ξ Ophiuchi.....		17 13 11.47	7		-20 58 4.93	1	
	58 Ophiuchi		17 35 37.24	4		-21 36 53.38	1	
20	ξ Ophiuchi.....	IF	17 13 11.46	7		-20 58 5.05	1	
	58 Ophiuchi		17 35 37.12	7		-21 36 52.44	1	
	Moon I. ....N		17 41 32.90	7	+1 8.56	-19 36 48.92	6	-15 30' 17"
21	μ ¹ Sagittarii.....	JS	18 5 58.20	7		-21 5 16.91	1	
	Moon I. ....N		18 38 50.52	4	+1 8.24	-20 21 47.22	6	-15 21' 66"
	π Sagittarii.....		19 2 0.68	7		-21 13 34.59	1	
	δ Sagittarii		19 10 0.52	7		-19 10 49.44	1	

524 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869.			h m s		m s			
July 23	σ Capricorni	IF	20 11 52.37	7		-19° 31' 16".70	1	" "
	ρ Capricorni		20 21 25.60	7		-18 14 27.45	1	
	Moon II.....N		20 32 12.31	7	-1 6.12	-18 27 54.27	7	-15 5.64
	θ Capricorni.....		20 58 36.93	7		-17 44 51.01	1	
	ϵ Capricorni.....		21 14 59.16	7		-17 23 11.32	1	
24	θ Capricorni.....	JS	20 58 37.18	7		-17 44 49.70	1	
	ϵ Capricorni		21 14 59.31	7		-17 23 10.24	1	
	Moon II.....N		21 24 42.22	6	-1 4.65	-16 3 51.73	7	-14 58.71
	μ Capricorni		21 46 11.31	7		-14 9 45.85	1	
	ϵ Aquarii		21 59 23.82	7		-14 29 58.66	1	
28	Moon II.....	JS	0 35 20.60	5	-1 1.02	...		...
	33 Ceti		1 3 50.60	7		+ 1 45 0.05	1	
	38 Ceti		1 8 9.27	7		- 1 40 22.14	1	
Aug. 14	ϵ Libræ.....	G	15 17 7.22	7		- 9 50 54.64	1	
	37 Libræ		15 27 2.61	7		- 9 36 45.25	1	
	Moon I.....N		15 30 37.44	7	+1 8.06	-13 37 2.20	7	-15 53.81
	θ Libræ.....		15 46 23.65	7		-16 20 31.41	1	
	48 Libræ		15 50 52.91	6		-15 53 53.71	1	
15	48 Libræ	G	15 50 52.83	7		-13 53 53.57	1	
	Moon I.....N		16 27 5.31	7	+1 8.32	-16 54 31.96	7	-15 41.99
	29 Ophiuchi.....		16 54 13.47	5		-18 41 21.25	1	
	ξ Ophiuchi		17 13 11.25	7		-20 58 6.76	1	
16	29 Ophiuchi.....	IF	16 54 13.40	7		-18 41 20.14	1	
	ξ Ophiuchi		17 13 11.23	7		-20 58 6.18	1	
	Moon I. ....N		17 23 54.67	7	+1 8.40	-19 9 6.75	6	-15 31.01
	58 Ophiuchi.....		17 35 36.99	7		-21 36 54.75	1	
	μ^1 Sagittarii.....		18 5 57.92	7		-21 5 17.79	1	
17	58 Ophiuchi.....	G	17 35 36.91	7		-21 36 54.29	1	
	μ^1 Sagittarii.....		18 5 57.95	7		-21 5 18.06	1	
	Moon I. ....N		18 20 42.04	7	+1 8.12	-20 15 28.15	7	-15 20.95
	σ Sagittarii		18 56 52.30	7		-21 55 40.94	1	
	π Sagittarii.....		19 2 0.67	7		-21 13 34.19	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Aug. 18	♄ Sagittarii	IF	h m s 18 56 51.17	7	m s	—21° 55' 41".19	1	" "
	♄ Sagittarii		19 2 0.59	7		—21 13 35.32	1	
	Moon I. ....S		19 16 47.67	7	+1 7.39	—20 43 15.48	7	+15 12.03
	♄ Sagittarii		19 38 45.51	7		—20 4 13.31	1	
	57 Sagittarii		19 44 37.57	7		—19 22 18.29	1	
20	♄ Capricorni	IF	20 32 38.16	7		—18 35 38.63	1	
	♄ Capricorni		20 58 37.43	7		—17 44 51.05	1	
	Moon I. ....S		21 4 21.11	7	+1 4.91	—17 29 34.26	6	+14 57.60
	♄ Capricorni		21 32 52.36	7		—17 14 52.57	1	
	♄ Capricorni		21 39 50.93	7		—16 42 57.68	1	
23	Moon II. ....N	JS	23 32 55.67	7	—1 1.38	—6 41 43.20	7	—14 45.39
	27 Piscium		23 52 0.31	7		—4 16 42.49	1	
	29 Piscium		23 55 8.93	7		—3 45 8.29	1	
24	27 Piscium	IF	23 52 0.34	7		—4 16 41.39	1	
	29 Piscium		23 55 9.08	7		—3 45 8.24	1	
	Moon II. ....N		...		...	—2 30 52.80	7	—14 44.30
	13 Ceti		0 28 32.70	7		—4 18 37.04	1	
	20 Ceti		0 46 21.00	7		—1 51 8.26	1	
25	20 Ceti	G	0 46 20.90	7		—1 51 7.48	1	
	Moon II. ....N		1 4 25.25	7	—1 0.91	+1 46 10.22	5	—14 45.23
	♄ Piscium		1 23 21.36	7		+5 28 13.82	1	
	♄ Piscium		1 34 38.88	7		+4 49 36.64	1	
27	♄ Ceti	IF	2 6 5.57	7		+8 14 1.12	1	
	♄ Ceti		2 21 13.73	7		+7 52 25.60	1	
	Moon II. ....N		2 37 10.43	7	—1 2.50	+10 2 39.10	6	—14 54.11
	♄ Tauri		3 20 6.01	7		+9 16 31.43	1	
	♄ Tauri		3 23 40.27	7		+12 29 12.42	1	
29	48 Tauri	JS	4 8 21.55	6		+15 4 15.17	1	
	♄ Tauri		4 12 21.95	6		+15 18 33.32	1	
	Moon II. ....N		4 17 13.83	5	—1 5.87	+16 52 7.71	3	—15 13.37
Sept. 13	B.A.C. 6098	JS	17 54 50.12	7		—20 43 55.20	1	
	Moon I. ....N		18 3 1.98	7	+1 8.70	—20 9 21.07	5	—15 28.89
	21 Sagittarii		18 17 34.75	7		—20 36 25.55	1	
	♄ Sagittarii		18 49 56.87	7		—21 16 25.78	1	

526 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Sept. 14	21 Sagittarii	IF	h m s 18 17 34.75	7	m s	-20 36 25.20	1	' '
	ξ ² Sagittarii		18 49 56.63	7		-21 16 25.66	1	
	Moon I. ....S		18 59 39.69	7	+1 7.88	-20 57 51.78	6	+15 16.87
	ρ ¹ Sagittarii		19 14 6.16	7		-18 5 18.15	1	
	f Sagittarii		19 38 45.10	7		-20 4 13.68	1	
15	ρ ¹ Sagittarii	G	19 14 6.43	7		-18 5 18.44	1	
	f Sagittarii		19 38 45.36	6		-20 4 14.70	1	
	Moon I. ....S		19 54 46.83	7	+1 6.68	-20 8 20.40	7	+15 6.66
	ρ Capricorni		20 21 25.56	7		-18 14 28.69	1	
	ν Capricorni		20 32 37.80	7		-18 35 39.70	1	
16	ρ Capricorni	JS	20 21 25.44	7		-18 14 28.72	1	
	ν Capricorni		20 32 37.81	7		-18 35 39.81	1	
	Moon I. ....S		20 47 56.24	7	+1 5.28	-18 18 59.23	6	+14 58.49
	ι Capricorni		21 14 59.45	7		-17 23 11.31	1	
	γ Capricorni		21 32 52.33	7		-17 14 54.91	1	
17	ι Capricorni	IF	21 14 59.50	7		-17 23 12.46	1	
	γ Capricorni		21 32 52.38	7		-17 14 53.34	1	
	Moon I. ....S		21 38 58.44	7	+1 3.84	-15 39 21.21	7	+11 52.20
	ι Aquarii		21 59 24.20	7		-14 29 57.81	1	
	ε ² Aquarii		22 3 39.74	7		-12 12 13.10	1	
18	ε ² Aquarii	G	22 3 39.69	4		-12 12 12.85	1	
	Moon I. ....S		22 28 0.12	7	+1 2.55	-12 19 48.62	7	+14 47.78
	λ Aquarii		22 45 49.31	7		- 8 16 15.71	1	
	ψ ¹ Aquarii		23 9 4.32	7		- 9 47 45.31	1	
20	30 Piscium	IF	23 55 17.19	7		- 6 44 14.38	1	
	Moon II. ....N		0 3 34.52	7	-1 0.94	- 3 52 58.04	7	-14 43.62
	10 Ceti		0 19 56.92	7		- 0 46 14.25	1	
	12 Ceti		0 23 23.84	7		- 4 40 36.66	1	
24	μ Ceti	JS	2 37 54.38	7		+ 9 33 43.76	1	
	λ Ceti		2 52 44.22	7		+ 8 23 12.34	1	
	Moon II. ....N		3 9 11.27	7	-1 3.14	+12 41 51.70	6	-14 54.52
	λ Tauri		3 53 27.74	7		+12 7 10.06	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Sept. 27	α Tauri	G	h m s 5 11 26.46	7	m s	+21° 57' 27.89	1	' "
	ζ Tauri		5 29 50.94	7		+21 3 32.90	1	
	Moon II.		5.46 26.80	7	—1 8.19	...		...
	η Geminorum		6 6 59.98	7		+22 32 27.10	1	
	μ Geminorum		6 15 3.80	6		+22 34 35.68	1	
Oct. 12	Moon I.....S	JS	19 36 27.72	7	+1 7.81	—20 45 26.92	6	+15 17.39
	σ Capricorni		20 11 51.82	7		—19 31 19.43	1	
	ρ Capricorni		20 21 25.16	7		—18 14 29.22	1	
13	σ Capricorni	IF	20 11 51.80	7		—19 31 20.90	1	
	ρ Capricorni		20 21 25.10	7		—18 14 27.80	1	
	Moon I.....S		20 30 55.33	7	+1 6.20	—19 12 52.98	7	+15 5.80
	θ Capricorni.....		20 58 36.77	7		—17 44 54.15	1	
	ι Capricorni		21 14 58.87	7		—17 23 11.93	1	
14	θ Capricorni.....	G	20 58 36.89	7		—17 44 52.76	1	
	ι Capricorni		21 14 59.13	7		—17 23 13.45	1	
	Moon I.....S		21 22 52.82	7	+1 4.55	—16 46 15.66	7	+14 56.73
	ι Aquarii		21 59 23.91	7		—14 30 0.22	1	
	ϵ^2 Aquarii.....		22 3 39.47	7		—12 12 13.59	1	
15	ι Aquarii	IF	21 59 23.92	7		—14 30 0.13	1	
	ϵ^2 Aquarii.....		22 3 39.44	7		—12 12 12.35	1	
	Moon I.....S		22 12 29.50	7	+1 3.06	—13 36 30.88	7	+14 50.23
	σ Aquarii.....		22 23 45.13	7		—11 20 33.18	1	
	γ^0 Aquarii.....		22 41 38.97	7		—11 14 29.15	1	
16	σ Aquarii	G	22 23 45.12	4		—11 20 36.02	1	
	γ^0 Aquarii		22 41 38.96	7		—11 14 31.48	1	
	Moon I.....S		23 0 11.51	7	+1 1.88	—9 54 13.37	7	+14 46.15
	ψ^2 Aquarii.....		23 11 8.17	7		—9 53 33.70	1	
	20 Piscium		23 41 15.13	7		—3 29 4.43	1	
18	10 Ceti	JS	0 19 57.07	7		—0 46 15.58	1	
	Moon I. ....S		0 32 10.34	7	+1 0.83	—1 30 48.97	4	+14 44.22

528 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869.			h m s		m s			
Oct. 19	33 Ceti	G	...			+ 1° 45' 8".74	1	' "
	f Piscium .....		...			+ 2 55 41.73	1	
	Moon	S	...		...	+ 2 51 31.36	3	+14 45.72
	v Piscium .....		...			+ 4 49 39.56	1	
	α Piscium .....		...			+ 8 30 5.20	1	
20	v Piscium	JS	1 34 39.81	7		+ 4 49 39.48	1	
	α Piscium		1 38 31.70	7		+ 8 30 4.59	1	
	Moon II.	N	2 6 6.22	6	-1 1.70	+ 7 37 57.43	7	-14 48.83
	μ Ceti		2 37 54.75	7		+ 9 33 46.85	1	
23	ε Tauri	JS	...			+18 53 18.8a	1	
	α Tauri		4 28 27.33	7		+16 14 39.74	1	
	Moon II.	N	4 34 45.74	6	-1 5.80	+18 8 47.63	7	-15 5.96
	l Tauri		5 0 6.11	7		+20 14 34.4a	1	
	115 Tauri		5 19 34.40	7		+17 50 49.32	1	
24	115 Tauri	G	5 19 34.32	7		+17 50 49.09	1	
	Moon II.	N	5 28 46.45	7	-1 7.35	+20 13 50.87	7	-15 14.54
	η Geminorum ...		6 7 0.72	7		+22 32 27.52	1	
	μ Geminorum ...		6 15 4.62	7		+22 34 36.72	1	
25	η Geminorum ...	IF	6 7 0.58	7		+22 32 25.01	1	
	μ Geminorum		6 15 4.65	7		+22 34 35.23	1	
	Moon II.	N	6 24 56.58	7	-1 8.65	+21 17 17.27	7	-15 24.34
Nov. 10	θ Capricorni.	JS	20 38 36.38	7		-17 44 54.76	1	
	Moon I.	S	21 3 58.30	7	+1 5.89	-18 2 35.97	6	+15 7.89
	γ Capricorni		21 32 51.53	7		-17 14 57.26	1	
	δ Capricorni		21 39 50.34	7		-16 43 0.89	1	
11	γ Capricorni	G	21 32 51.64	7		-17 14 57.29	1	
	δ Capricorni		21 39 50.29	7		-16 43 1.31	1	
	Moon I.	S	21 55 7.69	7	+1 4.07	-15 4 4.89	7	+14 58.03
	50 Aquarii		22 17 27.81	6		-14 11 19.97	1	
	σ Aquarii		22 23 44.66	7		-11 20 37.86	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Nov. 12	50 Aquarii.....	IF	h m s 22 17 27.92	7	m s	— 14 11' 20".59	1	' "
	α Aquarii.....		22 23 44.63	7		— 11 20 36.25	1	
	Moon I.....S		22 43 46.95	7	+1 3.57	— 11 29 15.26	6	+14 51.04
	β Aquarii.....		22 58 21.95	7		— 8 23 42.27	1	
	ψ Aquarii.....		23 9 3.64	7		— 9 47 47.95	1	
13	β Aquarii.....	G	22 58 22.00	7		— 8 23 45.91	1	
	ψ Aquarii.....		23 9 3.78	6		— 9 47 49.72	1	
	Moon I.....S		23 30 35.56	7	+1 1.52	— 7 28 45.38	5	+14 47.00
	30 Piscium.....		23 55 16.97	6		— 6 44 16.91	1	
	33 Piscium.....		23 58 40.37	7		— 6 26 10.38	1	
14	30 Piscium.....	JS	23 55 16.80	7		— 6 44 16.39	1	
	33 Piscium.....		23 58 40.21	7		— 6 26 10.97	1	
	Moon I.....S		0 16 18.99	7	+1 0.99	— 3 11 59.34	6	+14 45.65
	13 Oeti.....		0 28 32.92	7		— 4 18 37.07	1	
	20 Oeti.....		0 46 21.49	7		— 1 51 7.39	1	
15	13 Oeti.....	G	...			— 4 18 36.84	1	
	20 Oeti.....		...			— 1 51 8.20	1	
	Moon.....S		...		...	+ 1 12 19.86	5	+14 46.63
	μ Piscium.....		...			+ 5 28 20.90	1	
	ν Piscium.....		...			+ 4 49 39.51	1	
16	μ Piscium.....	IF	1 23 22.28	7		+ 5 28 19.12	1	
	ν Piscium.....		1 34 39.86	7		+ 4 49 39.58	1	
	Moon I.....S		1 47 40.71	7	+1 1.54	+ 5 35 16.10	7	+14 49.68
	ξ ¹ Oeti.....		2 6 6.73	7		+ 8 14 4.73	1	
	ξ ² Oeti.....		2 21 14.95	7		+ 7 52 31.53	1	
17	ξ ¹ Oeti.....	JS	2 6 6.62	7		+ 8 14 5.53	1	
	ξ ² Oeti.....		2 21 14.87	7		+ 7 52 30.36	1	
	Moon I.....S		2 34 50.31	7	+1 2.58	+ 9 46 56.79	3	+14 54.47
	λ Oeti.....		2 52 44.87	7		+ 8 23 11.64	1	
	ξ Tauri.....		3 20 7.16	7		+ 9 16 16.54	1	
18	λ Tauri.....	IF	3 53 29.00	7		+12 7 11.17	1	
	Moon II.....N		4 17 23.38	7	— 1 3.61	+17 21 13.52	7	— 15 7.44
	α Tauri.....		4 28 27.70	7		+16 14 40.81	1	

530 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Nov. 20	<i>m</i> Tauri	JS	h m s 4 59 45.96	7	m s	+18° 28' 1".86	1	" "
	Moon II. ....S		5 11 20.77	6	—1 7.21	+19 18 16.21	5	+15 14.90
	ζ Tauri		5 29 52.43	7		+21 3 33.49	1	
	χ' Orionis		5 46 40.88	7		+20 14 52.31	1	
22	ν Geminorum	IF	6 21 14.36	7		+20 17 26.07	1	
	ζ ² Geminorum		6 56 23.62	7		+20 45 25.63	1	
	Moon II. ....S		7 5 20.64	7	—1 9.34	+21 2 20.23	7	+15 31.39
	6 ₃ Geminorum....		7 20 0.66	7		+21 42 26.34	1	
	γ Geminorum.		7 38 35.20	7		+18 49 24.81	1	
23	Moon II. ....S	JS	8 3 51.91	6	—1 9.56	+20 4 19.76	7	+15 40.12
	η Cancri.....		8 25 10.45	7		+20 52 49.15	1	
	γ Cancri		8 35 44.57	7		+21 55 59.97	1	
Dec. 11	Moon I.....S	G	23 58 48.01	7	+1 1.34	— 5 5 53.36	5	+14 48.47
	12 Ceti		0 23 23.53	7		— 4 40 43.35	1	
	13 Ceti		0 28 32.59	7		— 4 18 39.35	1	
12	13 Ceti	JS	...			— 4 18 37.91	1	
	Moon I. ....S		0 44 13.81	7	+1 1.03	— 0 42 9.71	5	+14 47.31
	33 Ceti		1 3 51.76	7		+ 1 45 4.17	1	
	f Piscium		1 11 5.27	7		+ 2 55 40.28	1	
15	μ Ceti.....	JS	2 37 54.92	4		+ 9 33 45.22	1	
	λ Ceti.....		2 52 44.91	7		+ 8 23 10.46	1	
	Moon I.....S		3 4 10.46	7	+1 3.51	+12 3 17.99	1	+15 0.05
	ε Tauri		3 41 8.63	7		+10 44 22.61	1	
17	ε Tauri	IF	4 21 1.95	6		+18 53 17.94	1	
	α Tauri		4 28 28.01	7		+16 14 40.00	1	
	Moon I.....N		4 47 59.96	7	+1 7.03	+18 58 19.41	7	—15 17.28
	ο Tauri		5 19 49.78	7		+21 49 18.08	1	
	ζ Tauri		5 29 52.54	7		+21 3 31.17	1	
18	ο Tauri	G	5 19 49.99	7		+21 49 18.69	1	
	ζ Tauri		5 29 52.88	7		+21 3 33.21	1	
	Moon I.....N		5 44 8.15	7	+1 8.64	+20 53 55.18	6	—15 26.69
	η Geminorum....		6 7 2.12	7		+22 32 24.61	1	
	μ Geminorum....		6 15 6.03	7		+22 34 34.23	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1869. Dec. 19	μ Geminorum.....	JS	h m s 6 15 5'95	7	m s	+22° 34' 34"35	1	' "
	Moon II.....N		6 44 50'95	7	-1 9'76	+21 40 39'38	6	-15 35'86
	δ Geminorum.....		7 12 21'51	7		+22 13 5'38	1	
	δ_3 Geminorum ...		7 20 1'33	5		+21 42 25'93	1	
21	γ Cancri.....	JS	8 25 11'36	7		+20 52 45'84	1	
	δ Cancri.....		8 37 17'62	7		+18 37 45'20	1	
	Moon II.....S		8 44 6'66	7	-1 9'90	+18 49 43'86	7	+15 51'60
	δ_3 Cancri.....		9 11 43'06	7		+18 15 17'69	1	
	ψ Leonis		9 36 38'81	6		+14 36 54'01	1	
22	δ_3 Cancri.....	G	9 11 43'24	7		+18 15 13'74	1	
	ψ Leonis		9 36 38'71	7		+14 36 54'35	1	
	Moon II.....S		9 42 42'83	7	-1 9'12	+15 48 35'11	7	+15 57'83
	α Leonis.....		10 1 26'41	7		+12 36 5'35	1	
	ρ Leonis... ..		10 25 57'40	7		+ 9 58 29'80	1	
23	α Leonis.....	IF	10 1 26'64	7		+12 36 6'65	1	
	ρ Leonis		10 25 57'28	7		+ 9 58 30'37	1	
	Moon II.....S		10 39 47'37	7	-1 8'21	+11 47 43'01	7	+16 2'78
	χ Leonis		10 58 18'06	7		+ 8 2 20'42	1	
	ι Leonis		11 17 8'03	7		+11 14 42'23	1	
1870. Jan. 11	ξ^2 Ceti	G	2 21 14'62	6		+ 7 52 27'89	1	
	ν Ceti		2 29 2'91	5		+ 5 1 20'55	1	
	Moon I.....S		2 43 17'12	7	+1 2'72	+10 16 39'82	7	+14 55'05
	ξ Tauri		3 20 7'51	7		+ 9 16 33'49	1	
	f Tauri		3 23 41'82	7		+12 29 14'64	1	
12	f Tauri	IF	3 23 41'94	7		+12 29 15'25	1	
	Moon I.....S		3 32 10'03	7	+1 4'28	+14 2 28'99	6	+15 2'89
	λ Tauri		3 53 28'81	7		+12 7 8'91	1	
	γ Tauri		4 12 23'83	7		+15 18 36'63	1	
13	λ Tauri	G	3 53 28'81	7		+12 7 9'72	1	
	γ Tauri		4 12 23'91	7		+15 18 36'24	1	
	Moon I.....S		4 23 46'96	7	+1 6'16	+17 13 40'72	5	+15 12'95

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870. Jan. 14	ϵ Tauri	IF	h m s 4 43 46.47	7	m s	+18° 36' 54".89	1	" "
	ϵ Tauri		4 55 19.92	7		+21 24 4.50	1	
	Moon I. ....N		5 18 30.34	7	+1 8.10	+20 7 24.41	6	-15 24.49
	χ^1 Orionis		5 46 41.29	7		+20 14 52.91	1	
	χ^4 Orionis		5 56 12.39	7		+20 8 15.75	1	
15	χ^1 Orionis	G	5 46 41.52	6		+20 14 53.08	1	
	Moon I. ....N		6 16 14.70	7	+1 9.73	+21 27 58.54	7	-15 36.72
	ζ^2 Geminorum ...		6 56 24.34	7		+20 45 24.70	1	
Feb. 9	Moon I. ....S	Jß	4 0 21.03	7	+1 4.85	+15 55 54.51	5	+15 2.25
	ϵ Tauri		4 21 1.52	7		+18 53 19.54	1	
	α Tauri		4 28 27.67	7		+16 14 38.02	1	
10	ϵ Tauri	G	4 21 1.45	7		+18 53 18.76	1	
	α Tauri .....		...			+16 14 38.57	1	
	Moon I. ....S		4 52 41.05	7	+1 6.76	+18 39 28.97	7	+15 13.24
	119 Tauri		5 24 35.65	7		+18 29 37.11	1	
	ζ Tauri		5 29 52.69	7		+21 3 35.75	1	
11	119 Tauri	IF	5 24 35.81	7		+18 29 36.94	1	
	ζ Tauri		5 29 52.63	7		+21 3 32.33	1	
	Moon I. ....S		5 48 6.58	7	+1 8.65	+20 28 54.71	6	+15 26.34
	μ Geminorum		6 15 5.97	7		+22 34 34.22	1	
	ν Geminorum		6 21 15.11	7		+20 17 22.62	1	
12	μ Geminorum	Jß	6 15 6.01	7		+22 34 36.58	1	
	ν Geminorum		6 21 15.05	7		+20 17 24.61	1	
	Moon I. ....N		6 46 25.24	7	+1 10.18	+21 42 11.47	6	-15 40.95
	δ Geminorum		7 12 22.04	7		+22 13 4.98	1	
	κ Geminorum		7 36 36.39	7		+24 42 20.76	1	
13	κ Geminorum	G	7 36 36.59	3		+24 42 23.59	1	
	Moon I. ....N		7 46 51.53	7	+1 11.06	+21 6 4.04	7	-15 55.77
	η Cancri		8 25 12.03	7		+20 52 44.35	1	
	γ Cancri		8 35 46.34	6		+21 55 56.94	1	
14	η Cancri	IF	...			+20 52 46.45	1	
	Moon	N.	...		...	+19 6 44.92	7	-16 9.38
	π^3 Cancri .....		...			+15 28 37.89	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870.			h m s		m s			
Feb. 15	Moon I. ....N	JS	9 49 21.01	4	+1 10.69	+15° 48' 13".30	5	-16 20.40
	α Leonis		10 1 27.56	7		+12 35 58.46	1	
	ρ Leonis		10 25 58.57	7		+ 9 58 23.12	1	
16	Moon II. ....S	G	10 51 39.20	7	-1 9.86	+10 50 48.96	5	+16 27.67
	σ Leonis		11 14 26.67	7		+ 6 44 24.30	1	
	ν Virginis		11 39 11.26	7		+ 7 15 22.80	1	
17	σ Leonis	IF	11 14 26.62	7		+ 6 44 23.49	1	
	Moon II. ....S		11 50 11.25	7	-1 9.07	+ 5 40 12.29	7	+16 30.62
	η Virginis		12 13 15.81	7		+ 0 3 17.81	1	
	γ Virginis (one mass)		12 35 4.91	7		- 0 44 10.92	1	
18	η Virginis	JS	12 13 15.91	7		+ 0 3 18.95	1	
	γ Virginis (one mass)		12 35 4.83	7		- 0 44 13.00	1	
	Moon II. ....S		12 47 33.10	6	-1 8.55	+ 0 7 19.76	5	+16 29.08
21	♌ Libræ	G	15 15 46.78	7		-14 40 0.74	1	
	γ Libræ		15 28 15.20	7		-14 21 10.61	1	
	Moon II. ....S		15 38 33.89	7	-1 9.24	-14 57 11.34	5	+16 5.85
	β ¹ Scorpii		15 57 52.44	7		-19 26 45.84	1	
	ν Scorpii		16 4 26.15	6		-19 7 9.37	1	
Mar. 11	Moon I. ....N	IF	6 19 22.79	7	+1 8.79	...		...
	δ Geminorum		7 12 21.54	7		+22 13 7.74	1	
12	Moon I. ....N	JS	7 17 26.79	7	+1 10.02	+21 42 14.39	6	-15 39.21
	κ Geminorum		7 36 35.99	7		+24 42 23.56	1	
	μ ² Canceri		8 0 6.96	7		+21 57 23.22	1	
14	δ Canceri	IF	8 37 18.19	7		+18 37 43.78	1	
	ξ Canceri		9 1 53.55	7		+22 34 5.51	1	
	Moon I. ....N		9 17 34.96	7	+1 10.76	+17 45 43.66	7	-16 11.62
	ν Leonis		9 51 14.38	7		+13 3 42.87	1	
	α Leonis		10 1 27.57	7		+12 35 56.85	1	
15	ν Leonis	JS	9 51 14.35	7		+13 3 44.22	1	
	α Leonis		10 1 27.68	7		+12 35 59.89	1	
	Moon I. ....N		10 17 52.05	7	+1 10.43	+13 52 26.62	7	-16 25.77
	ι Leonis		10 42 26.15	7		+11 13 50.21	1	
	χ Leonis		10 58 19.46	7		+ 8 2 12.23	1	

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870. Mar. 16	<i>l</i> Leonis	G	h m s 10 42 26.24	7	m s	+11 13 51.62	1	' "
	χ Leonis		10 58 19.48	6		+ 8 2 12.38	1	
	Moon I.....N		11 17 31.20	7	+1 9.95	+ 8 58 33.22	7	—16 36.21
	ν Virginis.....		11 39 11.53	7		+ 7 15 21.99	1	
	β Virginis		11 43 56.37	7		+ 2 29 43.88	1	
18	37 Virginis	IF	12 45 0.94	7		+ 3 45 43.12	1	
	48 Virginis		12 57 13.65	7		— 2 57 50.71	1	
	Moon II.....N		13 17 26.79	7	—1 9.58	— 2 22 43.41	7	—16 41.72
	m Virginis		13 34 48.42	7		— 8 2 51.12	1	
	95 Virginis		13 59 51.22	7		— 8 41 32.23	1	
20	α^2 Libræ.....	JS	14 43 42.08	7		—15 30 0.61	1	
	γ^1 Libræ.....		14 59 23.34	7		—15 45 3.86	1	
	Moon II. ....S		15 15 33.56	7	—1 10.36	—13 29 28.68	7	+16 26.54
	θ Libræ.....		15 46 25.92	7		—16 20 43.84	1	
	49 Libræ		15 53 2.49	7		—16 8 52.20	1	
21	θ Libræ	IF	15 46 26.33	7		—16 20 43.06	1	
	49 Libræ		15 53 2.63	7		—16 8 51.85	1	
	Moon II. ....N		16 15 35.90	7	—1 10.81	—16 57 2.78	7	—16 13.74
	29 Ophiuchi.		16 54 15.07	7		—18 41 26.57	1	
	η Ophiuchi		17 2 55.42	7		—15 33 40.20	1	
Apr. 9	Moon I. ....N	G	7 51 37.14	7	+1 9.51	+21 21 46.65	7	—15 35.07
	η Cancrî.....		8 25 11.39	7		+20 52 48.83	1	
	γ Cancrî.....		8 35 45.81	7		+21 55 59.29	1	
12	83 Cancrî.....	IF	9 11 43.76	7		+18 15 16.58	1	
	ψ Leonis		9 36 39.52	7		+14 36 50.69	1	
	Moon I. ....N		9 48 33.38	7	+1 9.74	+16 5 51.03	7	—16 7.07
	ρ Leonis		10 25 58.45	7		+ 9 58 23.67	1	
	<i>l</i> Leonis		10 42 26.03	7		+11 13 51.81	1	
12	ρ Leonis	G	10 25 58.51	7		+ 9 58 23.83	1	
	<i>l</i> Leonis		10 42 26.09	7		+11 13 51.52	1	
	Moon I. ....N		10 46 58.90	7	+1 9.53	+11 44 6.76	5	—16 22.46
	χ Leonis		10 58 19.41	7		+ 8 2 12.57	1	
	σ Leonis		11 14 26.73	7		+ 6 44 23.16	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870. Apr. 13	σ Leonis	JS	h m s 11 14 26.95	7	m s	+ 6 44 23.36	1	' "
	Moon I. ....N		11 45 13.63	7	+1 9.44	+ 6 30 18.23	5	—16 35.15
	η Virginis		12 13 16.35	7		+ 0 3 14.83	1	
	γ Virginis (one mass)		12 35 5.48	7		— 0 44 13.84	1	
14	η Virginis	IF	12 13 16.36	7		+ 0 3 15.08	1	
	γ Virginis (one mass)		12 35 5.46	7		— 0 44 15.27	1	
	Moon I. ....N		12 43 36.54	7	+1 9.64	+ 0 44 51.25	7	—16 43.66
	θ Virginis		13 3 14.37	7		— 4 50 44.28	1	
	65 Virginis		13 16 35.96	7		— 4 14 41.30	1	
16	Moon II. ....N	JS	14 45 9.96	7	—1 11.02	—10 37 56.88	7	—16 43.43
	γ Libræ		15 28 16.51	7		—14 21 15.28	1	
20	μ^1 Sagittarii	IF	18 5 59.77	7		—21 5 20.33	1	
	21 Sagittarii		18 17 37.09	7		—20 36 28.42	1	
	Moon II. ....N		18 53 42.56	7	—1 11.17	—21 41 12.71	7	—15 50.10
	ρ^1 Sagittarii		19 14 8.40	7		—18 5 24.28	1	
	f Sagittarii		19 38 46.50	7		—20 4 12.85	1	
May 9	α Leonis	JS	...			+12 36 1.58	1	
	37 Leonis		10 9 42.19	7		+14 22 29.71	1	
	Moon I. ....N		10 22 46.79	7	+1 8.48	+13 54 5.17	7	—16 0.77
	ι Leonis		10 42 25.71	7		+11 13 52.30	1	
	χ Leonis		10 58 19.20	7		+ 8 2 13.96	1	
10	ι Leonis	IF	10 42 25.81	7		+11 13 55.14	1	
	χ Leonis		10 58 19.13	7		+ 8 2 15.90	1	
	Moon I. ....N		11 19 2.18	7	+1 8.34	+ 9 8 56.95	7	—16 14.78
	ν Virginis		11 39 11.43	7		+ 7 15 25.67	1	
	π Virginis		11 54 13.53	7		+ 7 20 17.67	1	
18	π Sagittarii	JS	19 2 3.02	7		—21 13 35.00	1	
	Moon II. ....N		19 27 34.12	7	—1 11.50	—21 39 33.76	7	—15 54.42
	σ Capricorni		20 11 54.07	7		—19 31 13.21	1	
	ρ Capricorni		20 21 17.28	7		—18 14 23.17	1	

536 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870.			h m s		m s			
May 20	θ Capricorni.....	IF	20 58 38.69	7		-17 44 44.28	1	" "
	ι Capricorni		21 15 0.73	7		-17 23 6.40	1	
	Moon II.....N		21 23 10.38	7	-1 7.69	-17 36 25.21	7	-15 23.16
	δ Capricorni.....		21 39 52.01	7		-16 42 48.92	1	
	ι Aquarii.....		21 59 25.01	7		-14 29 52.10	1	
June 7	σ Leonis.....	G	11 14 26.27	7		+ 6 44 28.57	1	
	ν Virginis.....		11 39 11.09	7		+ 7 15 27.79	1	
	Moon I.....N		11 54 26.61	7	+1 7.32	+ 3 59 17.45	7	-16 8.07
	η Virginis.....		12 13 15.98	7		+ 0 3 19.49	1	
	γ Virginis (1st Star)		12 35 5.18	7		+ 0 44 9.76	1	
8	η Virginis.....	G	12 13 15.80	7		+ 0 3 18.13	1	
	γ Virginis (2nd Star)		12 35 5.24	7		+ 0 44 14.86	1	
	Moon I.....N		12 49 5.23	7	+1 7.68	+ 0 28 36.42	5	-16 17.79
	θ Virginis		13 3 14.21	7		+ 4 50 42.78	1	
	ζ Virginis		13 28 5.29	7		+ 0 4 9.05	1	
9	θ Virginis.....	IF	13 3 14.25	7		- 4 50 43.59	1	
	ζ Virginis.....		13 28 5.30	7		+ 0 4 9.34	1	
	Moon I.....N		13 44 53.90	7	+1 8.60	- 5 9 28.33	7	-16 25.47
	κ Virginis.....		14 5 59.11	7		- 9 40 5.37	1	
	λ Virginis		14 12 6.13	7		-12 46 20.09	1	
10	κ Virginis.....	JS	14 5 59.22	7		- 9 40 5.66	1	
	λ Virginis		14 12 6.16	6		-12 46 20.62	1	
	Moon I.....N		14 42 37.71	3	+1 9.97	-10 32 55.83	5	-16 30.21
11	γ Libræ	G	15 28 17.17	7		-14 21 15.37	1	
	Moon I.....N		15 42 51.70	7	+1 11.51	-15 17 23.04	7	-16 30.99
	β^1 Scorpii.....		15 57 54.61	7		-19 26 51.82	1	
	ν Scorpii		16 4 28.35	7		-19 7 19.97	1	
16	ρ Capricorni.....	IF	20 21 28.05	7		-18 14 20.45	1	
	ν Capricorni.....		20 32 40.29	7		-18 35 38.03	1	
	Moon II.....N		20 58 20.90	7	-1 8.97	-19 2 3.23	7	-15 39.09
	γ Capricorni		21 32 54.28	7		-17 14 43.23	1	
	δ Capricorni.....		21 39 52.86	7		-16 42 48.33	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi-diameter.	Observed Dec.	No. of Wires.	Semi-diameter.
1870. July 13	σ Capricorni.....	IF	h m s 20 11 55.80	7	m s	$-19^{\circ} 31' 8''.91$	1	" "
	ρ Capricorni.....		20 21 28.88	7		$-18 14 17.56$	1	
	Moon II.....N		20 30 43.82	7	$-1 10.18$	$-20 12 48.94$	7	$-15 47.09$
	θ Capricorni.....		20 58 40.27	7		$-17 44 40.17$	1	
	ι Capricorni.....		21 15 2.35	7		$-17 22 59.01$	1	
15	ι Aquarii.....	JS	21 59 26.61	7		$-14 29 43.95$	1	
	Moon II.....N		22 22 24.05	6	$-1 5.73$	$-13 51 48.06$	7	$-15 22.65$
	λ Aquarii.....		22 45 51.49	7		$-8 16 3.58$	1	
	μ Aquarii.....		22 58 24.31	5		$-8 23 28.23$	1	
17	27 Piscium.....	JS	23 52 2.39	7		$-4 16 29.02$	1	
	Moon II.....N		0 1 3.84	6	$-1 2.35$	$-5 6 35.40$	7	$-15 1.64$
	12 Ceti.....		0 23 25.44	7		$-4 40 24.92$	1	
	13 Ceti.....		0 28 34.58	7		$-4 18 22.38$	1	
Aug. 6	ϕ Ophiuchi.....	G	16 23 43.63	7		$-16 19 36.23$	1	
	B.A.C. 5579.....		16 34 5.12	7		$-17 29 14.90$	1	
	Moon I.....N		16 58 25.84	7	$+1 11.27$	$-19 33 57.60$	7	$-16 4.77$
	θ Ophiuchi.....		17 14 3.56	7		$-24 51 59.88$	1	
	58 Ophiuchi.....		17 35 40.46	7		$-21 36 59.12$	1	
8	ξ^a Sagittarii.....	IF	18 50 0.65	4		$-21 16 23.81$	1	
	σ Sagittarii.....		18 56 55.73	7		$-21 55 39.00$	1	
	Moon I.....N		19 2 3.60	7	$+1 11.57$	$-21 58 51.53$	7	$-15 52.99$
	λ^a Sagittarii.....		19 28 50.09	7		$-25 9 57.14$	1	
	f Sagittarii.....		19 38 48.92	7		$-20 4 6.92$	1	
10	ν Capricorni.....	JS	20 32 41.29	7		$-18 35 28.16$	1	
	Moon I.....N		21 1 31.20	7	$+1 8.61$	$-18 46 55.54$	5	$-15 35.86$
	γ Capricorni.....		21 32 55.42	7		$-17 14 39.85$	1	
	δ Capricorni.....		21 39 54.19	7		$-16 42 44.14$	1	
11	γ Capricorni.....	IF	21 32 55.52	7		$-17 14 39.82$	1	
	δ Capricorni.....		21 39 54.17	7		$-16 42 42.60$	1	
	Moon II.....N		21 59 7.92	7	$-1 6.54$	$-15 30 33.80$	7	$-15 26.04$
	σ Aquarii.....		22 23 48.22	7		$-11 20 17.58$	1	
	τ^a Aquarii.....		22 42 44.69	7		$-14 16 25.63$	1	

538 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870. Aug. 13	ψ^1 Aquarii	G	h m s 23 9 7.04	7	m s	— 9 47 29.45	1	' "
	B.A.C. 8239		23 34 27.36	7		— 12 23 50.67	1	
	Moon II. ....N		23 40 36.20	7	— 1 2.99	— 7 1 39.13	5	— 15 6.96
	30 Piscium		23 55 19.51	7		— 6 43 56.17	1	
	33 Piscium		23 58 42.78	7		— 6 25 50.85	1	
14	Moon II. ....N	JS	0 27 52.93	6	— 1 1.93	— 2 19 13.29	7	— 14 58.91
	B.A.C. 221		0 41 35.74	7		+ 4 36 53.81	1	
	33 Ceti		1 3 53.81	7		+ 1 45 23.31	1	
16	ν Piscium	JS	1 34 41.72	7		+ 4 49 54.43	1	
	ξ Piscium		1 46 51.12	7		+ 2 32 52.41	1	
	Moon II. ....N		1 59 41.00	6	— 1 1.57	+ 6 56 43.29	7	— 14 48.98
	ξ^a Ceti		2 21 16.39	7		+ 7 52 42.19	1	
	μ Ceti		2 37 56.33	7		+ 9 33 55.93	1	
Sept. 6	ρ Capricorni	JS	20 21 28.93	7		— 18 14 18.30	1	
	Moon I. ....S		20 40 58.19	7	+ 1 8.76	— 20 17 54.19	6	+ 15 32.02
	θ Capricorni		20 58 40.65	7		— 17 44 39.77	1	
	ι Capricorni		21 15 2.76	7		— 17 22 58.61	1	
7	θ Capricorni	IF	20 58 40.78	7		— 17 44 39.54	1	
	ι Capricorni		21 15 2.85	7		— 17 22 59.09	1	
	Moon I. ....S		21 36 34.93	7	+ 1 6.84	— 17 22 41.45	7	+ 15 23.52
	ι Aquarii		21 59 27.37	7		— 14 29 41.79	1	
	ϵ^a Aquarii		22 3 43.04	7		— 12 11 56.69	1	
8	Moon I. ....S	G	22 29 14.91	7	+ 1 4.94	— 13 37 13.88	5	+ 15 15.23
	λ Aquarii		22 45 52.22	6		— 8 15 57.65	1	
	ψ^1 Aquarii		23 9 7.11	7		— 9 47 27.05	1	
9	λ Aquarii	IF	22 45 52.43	7		— 8 15 57.38	1	
	ψ^1 Aquarii		23 9 7.21	7		— 9 47 26.70	1	
	Moon II. ....N		23 21 20.30	7	— 1 3.33	— 8 47 7.27	7	— 15 7.35
	30 Piscium		23 55 19.87	7		— 6 43 53.31	1	
	33 Piscium		23 58 43.35	7		— 6 25 48.71	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi-diameter.	Observed Dec.	No. of Wires.	Semi-diameter.
1870. Sept. 10	30 Piscium	JS	h m s 23 55 19.94	7	m s	— 6° 43' 52".82	1	' "
	33 Piscium		23 58 43.26	7		— 6 25 49.41	1	
	Moon II. ....N		0 9 10.21	6	—1 2.16	— 4 7 54.27	7	—15 0.11
	12 Ceti		0 23 26.49	7		— 4 40 18.70	1	
	13 Ceti		0 28 35.69	6		...		
15	λ Tauri	JS	3 53 30.51	7		+12 7 25.10	1	
	Moon II. ....N		4 2 55.72	5	—1 4.07	+17 17 5.21	3	—14 48.34
	ε Tauri		4 21 3.27	7		+18 53 25.88	1	
	α Tauri		4 28 29.59	7		+16 14 50.21	1	
16	ε Tauri	IF	4 21 3.36	7		+18 53 27.56	1	
	α Tauri		4 28 29.49	7		+16 14 48.45	1	
	Moon II. ....N		4 53 27.17	7	—1 5.57	+20 2 49.24	7	—14 53.29
	119 Tauri		5 24 36.98	7		+18 29 42.10	1	
	ζ Tauri		5 29 54.00	7		+21 3 36.22	1	
Oct. 4	θ Capricorni	IF	20 58 40.35	7		—17 44 41.50	1	
	ι Capricorni		21 15 2.62	7		—17 23 1.82	1	
	Moon I. ....S		21 19 42.69	7	+1 7.25	—18 32 47.07	7	+15 23.05
	κ Capricorni		21 35 26.14	7		—19 27 16.72	1	
	8 Capricorni		21 39 54.01	7		—16 42 45.39	1	
5	κ Capricorni	JS	21 35 25.96	5		—19 27 15.42	1	
	8 Capricorni		21 39 53.94	7		—16 42 45.11	1	
	Moon I. ....S		22 12 37.19	7	+1 5.25	—15 1 33.76	6	+15 13.77
	τ ³ Aquarii		22 42 44.74	7		—14 16 27.02	1	
	74 Aquarii		22 46 40.26	7		—12 18 11.34	1	
6	τ ³ Aquarii	G	22 42 44.82	7		—14 16 26.54	1	
	74 Aquarii		22 46 40.36	7		—12 18 10.74	1	
	Moon I. ....S		23 2 44.88	7	+1 3.52	—10 51 45.00	5	+15 5.75
	B.A.C. 8239		23 34 27.74	7		—12 23 49.42	1	
	B.A.C. 8266		23 40 36.71	7		—12 37 31.75	1	
7	B.A.C. 8239	IF	23 34 27.90	7		—12 23 49.37	1	
	B.A.C. 8266		23 40 36.83	7		—12 37 32.49	1	
	Moon I. ....S		23 50 40.59	7	+1 2.24	— 6 17 32.53	7	+14 58.91
	12 Ceti		0 23 26.83	7		— 4 40 15.89	1	
	13 Ceti		0 28 35.97	7		— 4 18 15.09	1	

538 *R.A. and Dec. of Moon's Limb and Stars, observed*

Date.	Object.	Observer.	Observed R. A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870. Aug. 13	ψ^1 Aquarii	G	h m s 23 9 7.04	7	m s	— 9 47 29.45	1	" "
	B.A.C. 8239		23 34 27.36	7		— 12 23 50.67	1	
	Moon II. ....N		23 40 36.20	7	— 1 2.99	— 7 1 39.13	5	— 15 6.96
	30 Piscium		23 55 19.51	7		— 6 43 56.17	1	
	33 Piscium		23 58 42.78	7		— 6 25 50.85	1	
14	Moon II. ....N	JS	0 27 52.93	6	— 1 1.93	— 2 19 13.29	7	— 14 58.91
	B.A.C. 221		0 41 35.74	7		+ 4 36 53.81	1	
	33 Ceti		1 3 53.81	7		+ 1 45 23.31	1	
16	ν Piscium	JS	1 34 41.72	7		+ 4 49 54.43	1	
	ξ Piscium		1 46 51.12	7		+ 2 32 52.41	1	
	Moon II. ....N		1 59 41.00	6	— 1 1.57	+ 6 56 43.29	7	— 14 48.98
	ζ^2 Ceti		2 21 16.39	7		+ 7 52 42.19	1	
	μ Ceti		2 37 56.33	7		+ 9 33 55.93	1	
Sept. 6	ρ Capricorni	JS	20 21 28.93	7		— 18 14 18.30	1	
	Moon I. ....S		20 40 58.19	7	+ 1 8.76	— 20 17 54.19	6	+ 15 32.02
	θ Capricorni		20 58 40.65	7		— 17 44 39.77	1	
	ι Capricorni		21 15 2.76	7		— 17 22 58.61	1	
7	θ Capricorni	IF	20 58 40.78	7		— 17 44 39.54	1	
	ι Capricorni		21 15 2.85	7		— 17 22 59.09	1	
	Moon I. ....S		21 36 34.93	7	+ 1 6.84	— 17 22 41.45	7	+ 15 23.52
	ι Aquarii		21 59 27.37	7		— 14 29 41.79	1	
	ϵ^2 Aquarii		22 3 43.04	7		— 12 11 56.69	1	
8	Moon I. ....S	G	22 29 14.91	7	+ 1 4.94	— 13 37 13.88	5	+ 15 15.23
	λ Aquarii		22 45 52.22	6		— 8 15 57.65	1	
	ψ^1 Aquarii		23 9 7.11	7		— 9 47 27.05	1	
9	λ Aquarii	IF	22 45 52.43	7		— 8 15 57.38	1	
	ψ^1 Aquarii		23 9 7.21	7		— 9 47 26.70	1	
	Moon II. ....N		23 21 20.30	7	— 1 3.33	— 8 47 7.27	7	— 15 7.35
	30 Piscium		23 55 19.87	7		— 6 43 53.31	1	
	33 Piscium		23 58 43.35	7		— 6 25 48.71	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870. Sept. 10			h m s		m s			
	30 Piscium	JS	23 55 19.94	7		— 6° 43' 52.82	1	" "
	33 Piscium		23 58 43.26	7		— 6 25 49.41	1	
	Moon II. ....N		0 9 10.21	6	—1 2.16	— 4 7 54.27	7	—15 0.11
	12 Ceti		0 23 26.49	7		— 4 40 18.70	1	
	13 Ceti		0 28 35.69	6		...		
15	λ Tauri	JS	3 53 30.51	7		+12 7 25.10	1	
	Moon II. ....N		4 2 55.72	5	—1 4.07	+17 17 5.21	3	—14 48.34
	ε Tauri		4 21 3.27	7		+18 53 25.88	1	
	α Tauri		4 28 29.59	7		+16 14 50.21	1	
16	ε Tauri	IF	4 21 3.36	7		+18 53 27.56	1	
	α Tauri		4 28 29.49	7		+16 14 48.45	1	
	Moon II. ....N		4 53 27.17	7	—1 5.57	+20 2 49.24	7	—14 53.29
	119 Tauri		5 24 36.98	7		+18 29 42.10	1	
	ζ Tauri		5 29 54.00	7		+21 3 36.22	1	
Oct. 4	θ Capricorni	IF	20 58 40.35	7		—17 44 41.50	1	
	ι Capricorni		21 15 2.62	7		—17 23 1.82	1	
	Moon I. ....S		21 19 42.69	7	+1 7.25	—18 32 47.07	7	+15 23.05
	κ Capricorni		21 35 26.14	7		—19 27 16.72	1	
	8 Capricorni		21 39 54.01	7		—16 42 45.39	1	
5	κ Capricorni	JS	21 35 25.96	5		—19 27 15.42	1	
	8 Capricorni		21 39 53.94	7		—16 42 45.11	1	
	Moon I. ....S		22 12 37.19	7	+1 5.25	—15 1 33.76	6	+15 13.77
	τ ³ Aquarii		22 42 44.74	7		—14 16 27.02	1	
	74 Aquarii		22 46 40.26	7		—12 18 11.34	1	
6	τ ³ Aquarii	G	22 42 44.82	7		—14 16 26.54	1	
	74 Aquarii		22 46 40.36	7		—12 18 10.74	1	
	Moon I. ....S		23 2 44.88	7	+1 3.52	—10 51 45.00	5	+15 5.75
	B.A.C. 8239		23 34 27.74	7		—12 23 49.42	1	
	B.A.C. 8266		23 40 36.71	7		—12 37 31.75	1	
7	B.A.C. 8239	IF	23 34 27.90	7		—12 23 49.37	1	
	B.A.C. 8266		23 40 36.83	7		—12 37 32.49	1	
	Moon I. ....S		23 50 40.59	7	+1 2.24	— 6 17 32.53	7	+14 58.91
	12 Ceti		0 23 26.83	7		— 4 40 15.89	1	
	13 Ceti		0 28 35.97	7		— 4 18 15.09	1	

Date.	Object.	Observer.	Observed R.A.	No. of Wires.	Passage of Semi- diameter.	Observed Dec.	No. of Wires.	Semi- diameter.
1870. Oct. 10	α Piscium	G	h m s 1 38 34.37	7	m s	+ 8 30 24.22	1	" "
	ξ Ceti		2 6 9.13	7		+ 8 14 21.54	1	
	Moon II. ....N		2 10 43.71	7	-1 1.56	+ 8 19 24.23	4	-14 45.73
	γ Arietis		2 29 35.23	7		+11 53 7.53	1	
	μ Ceti.....		2 37 57.66	7		+ 9 34 0.65	1	
11	γ Arietis	IF	2 29 35.50	7		+11 53 8.67	1	
	μ Ceti.....		2 37 57.60	7		+ 9 34 1.62	1	
	Moon II. ....N		2 57 15.63	7	-1 2.31	+12 34 12.18	6	-14 44.19
	γ Tauri		3 23 44.36	7		+12 29 31.62	1	
	ϵ Tauri		3 41 11.23	7		+10 44 38.45	1	
14	γ Tauri	IF	5 0 9.43	7		+20 14 42.97	1	
	Moon II. ....N		5 26 17.40	7	-1 6.15	+21 35 36.37	5	-14 51.73
	η Geminorum		6 7 3.75	7		+22 32 27.73	1	
	μ Geminorum.....		6 15 7.81	7		+22 34 38.25	1	

RESULTS OF MERIDIAN OBSERVATIONS 1866-70.

APPENDIX.

OBSERVATIONS

OF

COMET COMPARISON STARS

MADE IN THE YEARS

1861-1865.

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

SEPARATE RESULTS
OF
MERIDIAN OBSERVATIONS
OF
COMET-STARS

MADE IN THE YEARS

1861-1865,

REDUCED TO MEAN PLACE FOR
YEAR OF OBSERVATION.

544 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
21 I. 1865.				25 I. 1865.			
1865 July 14	G	h m s 0 0 2'19	145° 54' 42"27	1865 June 23	G	h m s 0 36 34'35	146° 35' 1"81
Aug. 3	G	2'29	42'37	July 7	G	34'17	1'02
5	G	2'25	42'47	13	G	34'16	2'32
7	G	2'22	42'55	14	G	34'25	2'20
12	G	2'32	41'59	28	G	34'29	1'36
		0 0 2'25	145 54 43'25			0 36 34'34	146 35 1'74
22 I. 1865.				26 I. 1865.			
1865 July 28	G	0 14 18'43	146 19 20'46	1865 June 22	G	0 42 44'37	146 49 31'94
Aug. 3	G	18'40	21'24	23	G	44'66	31'33
5	G	18'74	24'8a	July 7	G	44'53	29'96
7	G	18'15	19'49	22	G	44'52	31'39
12	G	18'42	22'96	Aug. 3	G	44'22	33'34
		0 14 18'43	146 19 21'79			0 42 44'46	146 49 31'59
23 I. 1865.				27 I. 1865.			
1865 June 22	G	0 22 15'41	146 29 10'29	1865 June 22	G	0 55 26'74	146 53 8'87
23	G	15'52	8'67	July 7	G	26'61	8'74
July 7	G	15'65	10'10	13	G	26'69	9'24
22	G	15'58	9'22	14	G	26'57	8'79
28	G	15'43	9'55			0 55 26'65	146 53 8'91
		0 22 15'52	146 29 9'57	28 I. 1865.			
24 I. 1865.				28 I. 1865.			
1865 June 22	G	0 26 30'69	146 39 54'57	1865 July 13	G	1 24 41'89	146 53 25'03
23	G	30'72	52'18	14	G	41'86	26'13
July 7	G	30'84	52'62	22	G	41'99	27'09
13	G	30'78	53'65	28	G	41'98	24'24
28	G	30'79	53'26			1 24 41'93	146 53 25'62
		0 26 30'76	146 39 53'26				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
29 I. 1865.				33 I. 1865—continued.			
1865 July 7	G	^{h m s} 1 31 50.19	146° 45' 28".64	1865 July 14	G	^{h m s} 1 47 28.48	146° 46' 43".64
13	G	50.12	27.49	22	G	28.58	43.50
14	G	50.26	29.21			1 47 28.54	146 46 44.08
22	G	50.29	28.64	34 I. 1865.			
		1 31 50.22	146 45 28.50	1865 July 13	G	1 57 41.26	146 53 46.46
30 I. 1865.				14	G	41.45	46.31
1865 July 20	G	...	146 57 30.66	21	G	41.46	45.71
28	G	1 32 4.94	31.56	22	G	41.47	46.19
Aug. 3	G	4.92	32.19			1 57 41.41	146 53 46.17
7	G	4.97	32.73	35 I. 1865.			
		1 32 4.94	146 57 31.79	1865 July 13	G	2 6 18.63	146 51 46.12
31 I. 1865.				14	G	18.34	46.07
1865 July 7	G	1 40 23.71	146 47 2.51	21	G	18.51	44.85
13	G	23.59	2.30	22	G	18.26	45.64
28	G	23.89	1.98	28	G	18.53	43.56
Aug. 3	G	23.66	3.14			2 6 18.45	146 51 45.25
		1 40 23.71	146 47 2.48	36 I. 1865.			
32 I. 1865.				1865 July 14	G	2 13 17.30	146 52 14.19
1865 July 22	G	1 40 52.81	146 58 13.38	21	G	17.30	12.67
Aug. 7	G	52.73	15.59	22	G	17.36	13.21
12	G	52.65	15.19	28	G	17.33	14.30
17	G	52.72	16.49			2 13 17.32	146 52 13.59
		1 40 52.73	146 58 15.16	37 I. 1865.			
33 I. 1865.				1865 Aug. 3	G	2 27 18.03	146 47 17.54
1865 July 7	G	1 47 28.52	146 46 44.99	7	G	18.10	17.48
13	G	28.57	44.17	12	G	18.28	16.21

546 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
37 I. 1865—continued.				41 I. 1865—continued.			
1865 Aug. 17	G	^{h m s} 2 27 17.92	146° 47' 17.92"	1865 Oct. 5	G	^{h m s} 3 31 2.09	146° 53' 32.50"
19	G	17.91	19.26	6	G	2.23	33.07
		2 27 18.05	146 47 17.68			3 31 2.24	146 53 33.43
38 I. 1865.				42 I. 1865.			
1865 Aug. 17	G	3 4 30.63	146 39 33.20	1865 Aug. 23	G	...	146 56 25.47
19	G	30.63	33.43	25	G	3 53 53.16	30.89
23	G	30.57	28.86	30	G	53.21	29.90
25	G	...	31.78	Sept. 2	G	53.29	29.62
Sept. 2	G	31.05	33.42	4	G	53.16	28.89
4	G	30.50	31.76			3 53 53.21	146 56 28.95
		3 4 30.68	146 39 32.08	1 II. 1861.			
39 I. 1865.				1861 Aug. 18	G	3 58 49.92	119 53 48.77
1865 Aug. 17	G	3 23 46.20	146 53 49.67	24	G	49.76	47.79
19	G	46.23	49.15	25	G	49.84	47.83
23	G	46.23	49.43	26	G	49.86	48.36
25	G	46.39	50.61			3 58 49.85	119 53 48.19
		3 23 46.26	146 53 49.72	2 II. 1861.			
40 I. 1865.				1861 Aug. 28	G	4 0 4.89	119 31 59.80
1865 Aug. 23	G	3 30 59.49	146 46 27.53	Oct. 11	G	4.47	59.74
25	G	59.75	27.76	14	G	4.82	57.36
Sept. 2	G	59.74	29.77	15	G	4.77	59.28
4	G	60.15	28.60	21	G	4.66	57.60
		3 30 59.78	146 46 28.42			4 0 4.72	119 31 59.16
41 I. 1865.				4 II. 1861.			
1865 Aug. 19	G	3 31 2.34	146 53 35.07	1861 Aug. 24	G	4 1 27.35	119 11 11.09
Sept. 23	G	2.28	33.08	25	G	27.28	10.48

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
4 II. 1861—continued.				8 II. 1861.			
1861 Aug. 26	G	4 1 27 ^h 18 ^m 18 ^s	119° 11' 9" 67	1861 Aug. 31	G	4 21 1' 05	109° 34' 19" 40
27	G	27 ^h 32 ^m	10' 12	Oct. 11	G	4 21 1' 05	21' 25
		4 1 27 ^h 28 ^m	119 11 10' 34	13	G	...	19' 50
3 II. 1861.				14	G	1' 43	19' 34
1861 Sept. 5	G	4 1 41 ^h 07 ^m	119 3 45' 05			4 21 1' 24	109 34 19' 87
Oct. 1	G	41' 26	47' 99	B.A.C. 1443.			
7	G	41' 21	49' 80	1861 Aug. 24	G	4 32 24' 88	102 24 3' 11
13	G	...	48' 89	25	G	24' 75	3' 37
		4 1 41 ^h 18 ^m	119 3 47' 93	26	G	24' 75	3' 24
5 II. 1861.				27	G	24' 76	3' 54
1861 Aug. 24	G	4 10 6' 61	114 51 25' 30			4 32 24' 79	102 24 3' 32
25	G	6' 59	24' 62	B.A.C. 1465.			
26	G	6' 60	24' 00	1861 Aug. 24	G	4 37 24' 57	98 45 57' 90
27	G	6' 59	24' 26	25	G	24' 73	56' 95
		4 10 6' 60	114 51 24' 55	26	G	24' 73	57' 00
6 II. 1861.				27	G	24' 78	57' 98
1861 Aug. 24	G	4 16 49' 14	111 5 7' 94			4 37 24' 70	98 45 57' 46
25	G	49' 25	6' 14	10 II. 1861.			
26	G	49' 04	5' 44	1861 Sept. 4	G	4 39 41' 92	98 53 24' 25
27	G	49' 26	5' 19	5	G	41' 58	25' 81
		4 16 49' 17	111 5 6' 18	Oct. 1	G	41' 48	24' 39
7 II. 1861.				7	G	41' 41	23' 61
1861 Aug. 28	G	4 20 14' 20	109 41 36' 52			4 39 41' 35	98 53 24' 52
Sept. 5	G	14' 16	36' 15	6 I. 1861.			
6	G	...	34' 48	1861 Dec. 4	W	5 56 10' 41	137 9 29' 97
Oct. 7	G	13' 97	33' 96	10	W	10' 30	29' 72
		4 20 14' 11	109 41 35' 28	14	W	10' 36	31' 06
						5 56 10' 36	137 9 29' 92

548 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
5 I. 1861.				1 II. 1865.			
1861 Dec. 6	W	^{h m s} 5 58 44.02	136° 46' 16".97	1865 Dec. 1	W	^{h m s} 7 59 15.99	93° 49' 27".38
9	W	44.14	17.10	14	G	15.98	27.79
11	W	44.30	17.74	19	G	16.06	26.57
		5 58 44.15	136 46 17.27	21	G	16.07	29.35
						7 59 16.03	93 49 27.77
3 I. 1861.				2 II. 1865.			
1861 Dec. 4	W	6 7 16.67	135 34 48.75	1865 Dec. 1	W	8 28 44.50	101 35 28.28
10	W	16.61	48.13	14	G	44.52	28.35
14	W	16.69	51.22	19	G	44.62	29.44
		6 7 16.66	135 34 49.37	21	G	44.76	29.16
						8 28 44.60	101 35 28.81
4 I. 1861.				3 II. 1865.			
1861 Dec. 3	W	6 8 6.13	135 26 22.14	1865 Dec. 1	W	8 46 57.62	106 14 38.09
11	W	6.13	20.66	12	G	57.65	37.58
		6 8 6.13	135 26 21.40	14	G	57.55	39.78
				19	G	57.72	37.84
						8 46 57.64	106 14 38.32
2 I. 1861.				1 III. 1860.			
1861 Dec. 6	W	6 9 30.54	135 16 3.86	1861 Feb. 7	T	9 57 54.76	73 13 36.58
10	W	30.40	5.50	8	T	54.70	36.30
		6 9 30.47	135 16 4.68	12	T	55.00	36.06
				Apr. 5	C	54.82	34.53
1 I. 1861.				6	G	54.84	34.41
1861 Dec. 3	W	6 30 56.16	131 8 32.66	9	G	54.94	34.25
4	W	56.23	32.94			9 57 54.84	73 13 35.36
6	W	56.23	32.11	2 III. 1860.			
9	W	56.19	33.80	1861 Feb. 7	T	10 21 35.46	79 43 28.99
		6 30 56.20	131 8 32.88				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
2 III. 1860—continued.				6 III. 1860—continued.			
¹⁸⁶¹ Feb. 8	T	^{h m s} 10 21 35.55	^{° ′ ″} 79 43 28.73	¹⁸⁶¹ Apr. 3	C	^{h m s} 10 56 7.76	^{° ′ ″} 90 0 3.08
12	T	35.41	28.29	5	C	7.63	3.86
Apr. 3	C	35.66	30.59	6	G	7.91	2.62
6	G	35.53	28.30			10 56 7.76	90 0 2.71
9	G	35.52	27.05				
		10 21 35.52	79 43 28.66	7 III. 1860.			
3 III. 1860.				¹⁸⁶¹ Feb. 8	T	10 56 14.53	90 10 40.07
¹⁸⁶¹ Apr. 5	C	10 21 52.92	80 0 61.37	Apr. 8	C	14.54	43.30
8	C	52.85	59.24	9	G	14.54	39.46
10	C	52.68	61.02	10	C	14.52	41.14
12	C	53.01	58.31	12	C	14.62	...
		10 21 52.87	80 0 59.99	13	G	14.42	43.73
4 III. 1860.						10 56 14.53	90 10 41.54
¹⁸⁶¹ Apr. 3	C	10 44 2.79	86 33 7.47	8 III. 1860.			
5	C	2.95	7.72	¹⁸⁶¹ Feb. 7	T	11 6 47.75	93 10 47.72
6	G	2.79	5.97	Apr. 12	C	47.63	45.69
8	C	2.75	6.95	13	G	47.73	45.02
		10 44 2.82	86 33 7.03	15	C	47.71	45.59
5 III. 1860.				16	G	47.71	41.78
¹⁸⁶¹ Apr. 3	C	10 46 16.40	86 55 18.80			11 6 47.71	93 10 45.16
5	C	16.22	18.21	9 III. 1860.			
8	C	16.10	16.30	¹⁸⁶¹ Feb. 7	T	11 25 8.52	...
9	G	16.31	17.01	Apr. 5	C	8.20	99 2 19.17
10	C	16.19	17.35	6	G	8.21	17.41
		10 46 16.24	86 55 17.53	8	C	8.20	18.33
6 III. 1860.				9	G	8.11	17.33
¹⁸⁶¹ Feb. 7	T	10 56 7.80	90 0 2.13	10	C	8.26	17.62
12	T	7.70	1.85			11 25 8.25	99 2 17.97

550 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
10 III. 1860.				13 III. 1860.			
1861 Feb. 7	T	^{h m s} 11 33 27.35	101° 44' 54".24	1861 Feb. 8	T	^{h m s} 12 6 25.14	110° 18' 5".00
Apr. 5	C	27.66	59.14	Apr. 5	C	24.99	5.16
6	G	27.36	54.21	6	G	25.14	3.86
8	C	27.56	57.47	8	C	24.92	3.33
9	G	27.58	56.35			12 6 25.05	110 18 4.34
		11 33 27.50 ¹	101 44 56.28	14 III. 1860.			
11 III. 1860.				1861 Apr. 6	G	12 11 49.72	112 6 56.86
1861 Feb. 8	T	11 41 36.89	104 13 56.89	9	G	49.83	56.08
12	T	36.97	56.75	10	C	49.61	56.15
Apr. 3	C	36.97	55.85	12	C	49.77	56.43
5	C	36.83	55.48			12 11 49.73	112 6 56.38
6	G	36.95	55.91	15 III. 1860.			
		11 41 36.92	104 13 56.20	1861 Apr. 29	C	12 18 2.81	113 37 14.87
η Crateris.				May 6	C	2.77	15.11
1861 Feb. 7	T	11 48 56.19	106 22 36.92	7	G	2.81	15.72
12	T	56.13	36.09	8	C	2.78	16.04
Apr. 3	C	56.05	35.92			12 18 2.79	113 37 15.44
5	C	55.75	36.98	16 III. 1860.			
6	G	56.32	35.55	1861 May 9	G	12 19 36.20	114 0 20.93
		11 48 56.09	106 22 36.29	14	G	36.37	21.56
12 III. 1860.				17	C	36.25	22.74
1861 Feb. 7	T	12 4 22.46	110 23 41.71	18	G	36.11	22.41
Apr. 3	C	22.60	44.78			12 19 36.23	114 0 21.91
9	G	22.29	44.03	17 III. 1860.			
10	C	22.54	41.87	1861 Apr. 12	C	12 24 30.01	115 17 48.28
12	C	22.49	41.81	13	G	29.79	46.29
		12 4 22.48	110 23 42.84				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
17 III. 1860—continued.				21 III. 1860—continued.			
1861 Apr. 15	C	^{h m s} 12 24 29·91	115° 17' 48" 90	1861 Apr. 16	G	^{h m s} 13 0 30·94	123° 13' 53" 36
16	G	29·92	47·97	17	C	31·20	53·96
		12 24 29·91	115 17 47·86			13 0 31·13	123 13 53·50
18 III. 1860.				22 III. 1860.			
1861 Apr. 8	C	12 28 56·23	116 39 40·85	1861 Apr. 22	C	13 0 43·77	122 56 (8·19)
10	C	56·29	41·61	25	G	43·66	2·09
12	C	56·40	43·17	27	G	43·70	1·60
13	G	56·32	41·13	29	C	43·85	1·48
15	C	56·26	42·61	May 5	G	43·71	2·39
		12 28 56·30	116 39 41·87			13 0 43·74	122 56 1·89
19 III. 1860.				B.A.C. 4478.			
1861 Feb. 7	T	12 52 36·17	121 17 31·29	1865 Jan. 30	G	13 17 31·74	94 27 25·70
Apr. 10	C	36·21	31·98	31	CF	32·08	24·10
12	C	36·33	31·89	Feb. 2	CF	...	23·33
13	G	36·03	30·48	21	CF	31·94	25·45
16	G	36·07	31·09	Mar. 1	G	31·59	25·28
		12 52 36·16	121 17 31·35			13 17 31·84	94 27 24·77
20 III. 1860.				23 III. 1860.			
1861 Apr. 16	G	12 57 5·60	122 19 32·43	1861 Feb. 7	T	13 21 37·54	126 50 18·29
17	C	5·89	33·84	Apr. 15	C	37·34	17·96
22	C	5·83	35·77	16	G	37·48	17·71
25	G	5·66	31·74	22	C	37·25	16·83
27	G	5·76	32·70	25	G	37·54	19·06
		12 57 5·75	122 19 33·30			13 21 37·43	126 50 17·97
21 III. 1860.				24 III. 1860.			
1861 Apr. 12	C	13 0 31·23	123 13 53·28	1861 Apr. 27	G	13 25 10·90	127 16 29·13
13	G	31·15	51·41				

552 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
24 III. 1860—continued.				28 III. 1860—continued.			
1861 May 5	G	^{h m s} 13 25 10 [°] 80	127 16' 29"92	1861 May 5	G	^{h m s} 13 35 53 [°] 95	128 53' 27"46
6	C	10 [°] 78	30 [°] 05	6	C	53 [°] 80	28 [°] 55
7	G	11 [°] 04	30 [°] 39	7	G	53 [°] 95	26 [°] 98
		13 25 10 [°] 88	127 16 29 [°] 87			13 35 53 [°] 91	128 53 27 [°] 96
25 III. 1860.				29 III. 1860.			
1861 May 8	C	13 25 40 [°] 25	127 18 12 [°] 84	1861 Apr. 16	G	13 36 44 [°] 92	128 47 5 [°] 54
9	G	40 [°] 27	17 [°] 50	25	G	44 [°] 96	7 [°] 10
14	G	40 [°] 20	11 [°] 35	27	G	45 [°] 08	4 [°] 06
16	G	40 [°] 42	13 [°] 84	29	C	45 [°] 05	6 [°] 17
31	C	40 [°] 28	12 [°] 43			13 36 45 [°] 00	128 47 5 [°] 72
		13 25 40 [°] 28	127 18 13 [°] 59				
26 III. 1860.				2 I. 1864.			
1861 Apr. 25	G	13 29 31 [°] 27	127 49 35 [°] 67	1865 Feb. 6	G	13 38 (51 [°] 10)	97 25 55 [°] 62
27	G	31 [°] 29	38 [°] 05	14	G	51 [°] 57	57 [°] 73
29	C	31 [°] 31	38 [°] 56	21	CF	51 [°] 86	55 [°] 41
May 5	G	31 [°] 47	40 [°] 02	24	G	51 [°] 56	55 [°] 42
16	G	31 [°] 37	35 [°] 01	Mar. 3	G	51 [°] 71	56 [°] 62
		13 29 31 [°] 34	127 49 37 [°] 46			13 38 51 [°] 68	97 25 56 [°] 16
27 III. 1860.				30 III. 1860.			
1861 May 7	G	13 29 35 [°] 04	127 54 31 [°] 50	1861 May 8	C	13 39 53 [°] 93	129 17 26 [°] 72
9	G	35 [°] 10	31 [°] 16	9	G	54 [°] 02	24 [°] 71
18	G	35 [°] 01	34 [°] 29	14	G	54 [°] 16	25 [°] 78
22	C	35 [°] 16	29 [°] 10	16	G	53 [°] 92	25 [°] 71
June 3	C	35 [°] 11	34 [°] 61			13 39 54 [°] 01	129 17 25 [°] 73
		13 29 35 [°] 08	127 54 32 [°] 13				
28 III. 1860.				31 III. 1860.			
1861 Apr. 17	O	13 35 53 [°] 95	128 53 28 [°] 83	1861 May 6	C	13 40 19 [°] 47	129 23 4 [°] 59
				18	G	19 [°] 44	5 [°] 15

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
31 III. 1860—continued.				34 III. 1860—continued.			
1861 May 28	G	13 40 19'42	129 23 6'88	1861 May 17	C	13 50 3'28	130 42 54'78
31	C	19'38	6'52	18	G	3'35	55'64
June 3	C	19'70	3'50			13 50 3'30	130 42 55'02
		13 40 19'48	129 23 5'33	35 III. 1860.			
3 I. 1864.				1861 Apr. 25	G	13 54 16'14	130 56 41'34
1865 Jan. 31	CF	13 43 59'60	98 39 48'67	27	G	16'07	42'99
Feb. 3	G	59'59	49'70	29	C	16'13	41'97
6	G	59'51	48'62	May 5	G	16'06	43'31
14	G	59'62	49'21			13 54 16'10	130 56 42'40
Mar. 3	G	59'65	49'21	36 III. 1860.			
		13 43 59'59	98 39 49'08	1861 May 6	C	13 54 18'65	131 18 50'94
32 III. 1860.				7	G	18'76	51'16
1861 Apr. 29	C	13 47 29'60	130 10 15'40	8	C	18'73	51'45
May 6	C	29'72	15'50	9	G	18'54	51'18
8	C	29'87	14'40	22	C	18'43	50'97
9	G	29'63	15'17			13 54 18'62	131 18 51'14
		13 47 29'71	130 10 15'12	4 I. 1864.			
33 III. 1860.				1865 Jan. 30	G	13 56 20'01	100 4 46'75
1861 Apr. 25	G	13 49 8'13	130 32 21'53	31	CF	20'09	46'24
27	G	8'15	21'56	Feb. 3	G	19'85	46'20
May 5	G	8'19	23'22	6	G	19'82	45'30
7	G	8'18	20'44	Mar. 3	G	19'91	45'44
		13 49 8'16	130 32 21'69			13 56 19'94	100 4 45'99
34 III. 1860.				5 I. 1864.			
1861 May 14	G	13 50 3'35	130 42 55'24	1865 Feb. 14	G	13 56 41'93	100 37 19'20
16	G	3'23	54'42	15	CF	41'89	18'20

554 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
5 I. 1864—continued.				40 III. 1860—continued.			
1865 Feb. 20	G	^{h m s} 13 56 41.89	100° 37' 20".08	1861 May 6	C	^{h m s} 14 0 9.92	131° 56' 8".09
21	CF	41.77	18.64	16	G	10.15	7.74
		13 56 41.87	100 37 19.03	18	G	9.91	9.26
37 III. 1860.						14 0 10.00	131 56 8.11
1861 May 17	C	13 58 17.63	131 46 25.00	6 I. 1864.			
28	G	17.87	20.75	1865 Jan. 31	CF	14 1 15.42	101 11 10.24
June 3	C	17.80	22.83	Feb. 3	G	15.23	10.43
5	C	17.80	25.13	6	G	15.28	9.87
		13 58 17.78	131 46 23.43	14	G	15.32	10.20
38 III. 1860.				28	CF	15.34	8.02
1861 May 31	C	13 59 13.50	131 36 20.25			14 1 15.32	101 11 9.75
June 28	C	13.43	18.57	7 I. 1864.			
29	G	13.59	19.74	1865 Feb. 15	CF	14 1 34.13	100 55 17.21
July 1	C	13.56	17.48	20	G	33.90	17.08
13	G	13.78	17.88	21	CF	33.91	17.82
		13 59 13.57	131 36 18.78	24	G	33.75	18.03
39 III. 1860.						14 1 33.92	100 55 17.54
1861 May 5	G	14 0 4.73	132 6 36.85	8 I. 1864.			
7	G	4.80	35.95	1865 Feb. 14	G	14 3 54.45	101 48 38.31
9	G	4.72	37.34	15	CF	54.59	35.75
14	G	4.63	— 37.47	20	G	54.49	38.19
		14 0 4.72	132 6 36.90	21	CF	54.43	37.81
40 III. 1860.						14 3 54.49	101 48 37.52
1861 Apr. 29	C	14 0 10.00	131 56 7.35	14 II. 1865.			
				1865 July 26	W	14 7 5.46	136 48 19.57

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
9 I. 1864.				13 I. 1864.			
1865 Feb. 9	G	^{h m s} 14 7 25.71	^{° ' "} 101 59 62.74	1865 Feb. 9	G	^{h m s} 14 14 36.52	^{° ' "} 103 7 6.88
20	G	26.01	60.12	14	G	36.57	7.22
24	G	26.05	61.98	15	CF	36.96	3.50
25	CF	26.27	59.01	21	CF	36.64	5.09
28	CF	26.17	57.51	28	CF	36.67	7.62
Mar. 3	G	25.90	59.01			14 14 36.67	103 7 6.06
		14 7 26.02	101 59 60.06	14 I. 1864.			
10 I. 1864.				1865 Feb. 6	G	14 17 16.14	103 27 59.02
1865 Feb. 6	G	14 7 33.20	102 15 10.10	15	CF	16.24	58.05
14	G	33.16	9.81	20	G	16.00	59.69
15	CF	33.35	7.55	21	CF	16.03	58.85
21	CF	33.11	6.65			14 17 16.10	103 27 58.90
		14 7 33.21	102 15 8.53	16 II. 1865.			
41 III. 1860.				1865 July 23	W	...	136 44 34.06
1861 May 5	G	14 7 50.49	132 37 32.17	26	W	14 19	33.99
14	G	50.63	30.74			14 19	136 44 34.03
17	C	50.39	32.84	15 I. 1864.			
18	G	50.34	31.75	1865 Feb. 3	G	14 20 0.73	104 13 39.18
		14 7 50.46	132 37 31.88	6	G	0.69	38.97
12 I. 1864.				9	G	0.57	38.25
1865 Feb. 9	G	14 12 14.39	103 5 7.83	14	G	0.73	39.93
14	G	14.61	7.44	15	CF	0.86	(34.13)
20	G	14.41	7.81			14 20 0.72	104 13 39.08
21	CF	14.27	7.43	17 II. 1865.			
28	CF	14.58	7.48	1865 July 26	W	14 20 17.28	136 46 53.82
		14 12 14.45	103 5 7.60				

556 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
16 I. 1864.				44 III. 1860—continued.			
1865 Feb. 20	G	h m s 14 22 9'15	104° 24' 30" 74	1861 May 8	C	h m s 14 43 47'84	136° 3' 22" 33
21	CF	9'14	29'52	9	G	47'95	19'54
24	G	9'09	31'36			14 43 47'88	136 3 20'93
25	CF	9'15	30'43	45 III. 1860.			
28	CF	9'22	29'42	1861 May 7	G	14 58 15'87	137 8 54'27
		14 22 9'15	104 24 30'29	8	C	15'97	54'04
17 I. 1864.				9	G	15'89	56'11
1865 Feb. 7	G	14 22 50'73	104 38 49'31	14	G	16'00	54'05
9	G	50'81	50'59	July 13	G	15'87	54'03
14	G	50'82	50'46			14 58 15'92	137 8 54'50
15	CF	50'94	46'98	46 III. 1860.			
		14 22 50'83	104 38 49'34	1861 May 14	G	15 3 59'18	137 32 27'10
42 III. 1860.				16	G	58'89	26'96
1861 Apr. 27	G	14 26 21'41	134 41 38'70	17	C	58'82	27'64
29	C	21'46	40'66	31	C	59'04	25'67
May 5	G	21'42	40'52	July 13	G	59'23	27'62
6	C	21'21	39'44			15 3 59'03	137 32 27'00
		14 26 21'38	134 41 39'83	47 III. 1860.			
43 III. 1860.				1861 June 3	C	15 5 5'90	137 30 31'14
1861 May 6	C	14 36 38'10	135 17 18'64	5	C	5'97	30'00
7	G	38'25	17'23	28	C	5'87	28'62
8	C	38'14	17'07	29	G	5'98	30'83
9	G	37'93	17'96			15 5 5'93	137 30 30'15
		14 36 38'11	135 17 17'73	B.A.C. 5010.			
44 III. 1860.				1861 May 14	G	15 6 14'74	137 33 8'75
1861 May 6	C	14 43 47'72	136 3 21'30	16	G	14'57	9'44
7	G	48'00	20'56				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B.A.C. 5010—continued.				13 II. 1861—continued.			
1861 May 17	C	^{h m s} 15 6 14'50	^{° ' "} 137 33 8'98	1862 Feb. 27	G	^{h m s} 15 18 43'81	^{° ' "} 44 49 59'17
31	C	14'58	6'99	28	G	43'47	62'03
July 13	G	14'62	10'06	Mar. 1	G	43'43	60'88
		15 6 14'60	137 33 8'84			15 18 43'67	44 49 61'31
49 III. 1860.				51 III. 1860.			
1861 July 1	C	15 6 59'45	137 46 20'72	1861 May 16	G	15 23 42'45	138 44 27'87
2	G	59'57	21'72	22	C	42'64	31'25
3	C	59'64	21'29	June 3	C	(42'95)	29'95
5	C	59'44	21'27	28	C	42'68	30'50
8	C	59'66	22'12	July 18	G	42'69	27'99
		15 6 59'55	137 46 21'42			15 23 42'62	138 44 29'51
50 III. 1860.				52 III. 1860.			
1861 May 16	G	15 17 9'30	138 20 21'57	1861 June 5	C	15 24 22'25	138 42 27'41
June 3	C	9'57	21'56	29	G	22'13	27'38
5	C	9'46	20'74	July 1	C	22'41	29'13
7	C	9'46	20'73	2	G	22'30	26'66
July 13	G	9'67	19'78	17	C	22'30	27'23
		15 17 9'49	138 20 20'88			15 24 22'28	138 42 27'56
12 II. 1861.				15 II. 1861.			
1862 Mar. 5	G	15 18 38'22	44 56 48'64	1862 Mar. 5	G	15 27 1'70	45 46 32'54
30	G	38'62	52'72	11	G	1'87	35'44
Apr. 2	G	38'38	48'25	12	G	1'92	36'12
3	G	...	48'36	30	G	1'99	37'01
		15 18 38'41	44 56 49'49	Apr. 2	G	1'59	29'57
13 II. 1861.						15 27 1'81	45 46 34'14
1862 Feb. 26	G	15 18 43'98	44 49 63'17				

558 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
16 II. 1861.				1 II. 1862—continued.			
1862 Feb. 28	G	h m s 15 29 53'60	46° 0' 28"78	1863 Apr. 16	G	h m s 15 39 30'56	59° 58' 1"57
Mar. 1	G	53'17	30'43	20	G	30'61	1'55
Apr. 8	G	53'19	23'12			15 39 30'58	59 58 2'11
10	G	53'40	28'28	Lalande 28863.			
		15 29 53'34	46 0 27'65	1863 Apr. 16	G	15 43 45'42	65 54 32'16
17 II. 1861.				20	G	45'51	32'08
1862 Apr. 3	G	15 30 41'95	46 15 28'87	21	CF	45'45	30'05
18 II. 1861.				24	CF	45'61	31'12
1862 Mar. 5	G	15 33 23'43	46 17 34'10			15 43 45'50	65 54 31'35
Apr. 2	G	23'08	36'65	Lalande 28961.			
3	G	23'45	34'28	1863 Apr. 25	W	15 47 36'22	71 58 32'84
		15 33 23'32	46 17 35'01	27	G	36'30	32'31
19 II. 1861.				29	W	36'24	31'89
1862 Feb. 26	G	15 39 25'46	...	May 9	G	36'15	32'46
27	G	25'63	46 50 40'53			15 47 36'23	71 58 32'38
28	G	25'56	35'89	3 II. 1862.			
Mar. 1	G	25'50	37'66	1863 Mar. 29	W	15 48 35'55	71 33 20'60
5	G	25'48	35'85	Apr. 15	CF	35'66	21'29
6	G	25'65	38'97	16	G	35'59	20'71
		15 39 25'55	46 50 37'78	20	G	35'53	18'89
1 II. 1862.						15 48 35'58	71 33 20'37
1863 May 29	W	15 39 30'57	59 58 2'92	5 II. 1862.			
Apr. 1	W	30'71	2'38	1863 Apr. 28	CF	15 50 20'10	77 7 19'29
15	CF	30'45	(5'76)	May 11	CF	19'95	18'06
				12	IF	20'06	18'59

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
5 II. 1862—continued.				55 III. 1860—continued.			
1863 May 13	G	h m s 15 50 20.03	77° 7' 17.99	1861 July 2	G	h m s 15 56 15.67	140° 28' 20.35
23	W	20.10	18.67	9	G	16.24	25.25
		15 50 20.25	77 7 18.52	18	G	15.80	20.65
53 III. 1860.				56 III. 1860.			
1861 June 3	C	15 50 21.22	140 7 48.50	1861 July 8	C	15 56 26.73	140 23 57.08
5	C	21.13	44.67	11	G	26.92	57.32
28	C	21.14	48.49	12	C	27.10	59.11
29	G	20.94	45.60	15	C	26.88	59.96
		15 50 21.11	140 7 46.82			15 56 26.91	140 23 58.37
54 III. 1860.				7 II. 1862.			
1861 May 22	C	15 51 (43.57)	140 15 12.15	1863 Mar. 29	W	15 57 27.80	87 19 18.06
June 7	C	44.07	13.19	Apr. 1	W	27.82	17.48
July 3	C	43.96	11.74	15	CF	27.81	16.78
8	C	44.14	13.59	16	G	27.68	18.20
13	G	43.89	11.16	20	G	27.70	17.97
		15 51 44.06	140 15 12.37			15 57 27.76	87 19 17.70
6 II. 1862.				57 III. 1860.			
1863 Apr. 15	CF	15 53 17.28	82 40 4.53	1861 June 3	C	15 57 43.50	140 35 53.30
16	G	17.18	6.75	5	C	43.32	54.27
20	G	17.26	5.11	July 1	C	43.35	56.66
21	CF	...	7.19	13	G	43.30	52.66
24	CF	17.34	2.98			15 57 43.37	140 35 54.22
25	W	17.29	5.53				
		15 53 17.27	82 40 5.35	8 II. 1862.			
55 III. 1860.				1863 Apr. 1	W	16 2 25.65	99 32 44.60
1861 June 28	C	15 56 15.98	140 28 24.24	15	CF	25.58	42.88
29	G	15.62	20.39				

560 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
8 II. 1862—continued.				12 II. 1862—continued.			
1863 Apr. 16	G	^h 16 ^m 2 ^s 25.54	99° 32' 43".99	1863 Apr. 20	G	^h 16 ^m 6 ^s 16.75	108° 28' 49".52
20	G	25.44	43.01	21	CF	16.75	48.88
		16 2 25.55	99 32 43.62			16 6 16.76	108 28 49.05
↓ Scorpii.				13 II. 1862.			
1863 Apr. 24	CF	16 4 30.83	99 42 22.11	1863 Apr. 24	CF	16 8 54.69	110 57 33.47
27	G	30.84	21.71	27	G	54.66	34.12
28	CF	30.80	22.39	May 8	IF	54.73	(32.18)
May 9	G	30.86	21.12	9	G	54.77	34.79
		16 4 30.83	99 42 21.83	June 3	G	54.76	35.52
10 II. 1862.						16 8 54.72	110 57 34.48
1863 Mar. 29	W	16 5 17.56	102 49 54.75	58 III. 1860.			
Apr. 29	W	17.44	55.01	1861 May 24	C	16 9 43.46	141 8 28.81
May 11	CF	17.59	52.58	June 3	C	43.77	30.21
13	G	17.38	55.34	5	C	43.51	28.50
		16 5 17.49	102 49 54.42	7	C	43.44	32.72
11 II. 1862.						16 9 43.55	141 8 30.06
1863 Apr. 25	W	16 6 1.21	105 57 22.46	59 III. 1860.			
May 12	IF	1.26	(15.04)	1861 June 28	C	16 10 28.19	141 2 30.96
18	G	1.03	23.41	29	G	28.20	30.74
21	G	1.03	22.26	July 1	C	28.13	31.03
23	W	1.25	23.14	2	G	28.08	31.76
27	G	1.07	23.88			16 10 28.15	141 2 31.12
		16 6 1.14	105 57 23.03	14 II. 1862.			
12 II. 1862.				1863 Apr. 25	W	16 11 3.78	115 25 20.94
1863 Apr. 15	CF	16 6 16.83	108 28 49.24	29	W	3.72	20.74
16	G	16.72	48.56				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
14 II. 1862—continued.				B.A.C. 5449.			
1863 May 18	G	^{h m s} 16 11 3'46	115° 25' 20"44	1863 May 9	G	^{h m s} 16 13 6'48	113° 22' 34"04
21	G	3'63	21'30	12	IF	6'45	(31'68)
		16 11 3'65	115 25 20'86	13	G	6'32	33'55
60 III. 1860.				23	W	6'51	34'11
1861 July 3	C	16 11 27'71	141 13 19'39	27	G	6'41	34'40
8	O	27'71	22'92			16 13 6'43	113 22 34'03
9	G	27'78	19'37	62 III. 1860.			
11	G	27'46	23'31	1861 July 3	C	16 14 41'67	141 12 30'55
		16 11 27'67	141 13 21'25	5	O	41'82	32'86
15 II. 1862.				8	C	41'80	33'02
1863 Mar. 29	W	16 11 55'80	115 18 38'38	9	G	41'87	33'24
Apr. 15	OF	55'81	37'15			16 14 41'79	141 12 32'42
16	G	55'65	37'36	63 III. 1860.			
20	G	55'66	36'87	1861 June 28	C	16 16 23'75	141 27 21'20
		16 11 55'73	115 18 37'44	29	G	23'81	22'11
61 III. 1860.				July 1	O	23'91	21'21
1861 May 24	C	16 12 44'58	141 10 7'11	2	G	23'76	20'68
June 3	O	44'66	5'65			16 16 23'81	141 27 21'30
5	O	44'65	6'19	18 II. 1862.			
7	O	44'74	6'43	1863 Apr. 1	W	16 16 54'58	123 14 52'08
		16 12 44'66	141 10 6'35	15	OF	54'70	51'23
♏ Scorp.ii.				16	G	54'54	51'86
1863 Apr. 21	OF	16 12 51'99	115 15 37'38	20	G	54'56	51'33
24	OF	51'91	37'31			16 16 54'60	123 14 51'63
27	G	51'95	38'33	19 II. 1862.			
May 11	OF	51'92	38'25	1863 Mar. 29	W	16 18 34'03	124 11 31'88
		16 12 51'94	115 15 37'82				

562 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
19 II. 1862--continued.				23 II. 1862.			
1863 Apr. 24	CF	^{h m s} 16 18 33'93	124° 11' 29''51	1863 Apr. 25	W	^{h m s} 16 31 24'26	136° 6' 47''13
27	G	33'67	28'54	27	G	24'34	46'35
May 8	IF	(33'49)	(24'18)	28	CF	24'14	47'87
23	W	34'19	31'32	May 8	IF	(24'37)	49'74
		16 18 33'96	124 11 30'31	21	G	24'29	46'84
						16 31 24'26	136 6 47'05
20 II. 1862.				24 II. 1862.			
1863 Apr. 29	W	16 20 30'36	128 12 12'92	1863 Mar. 29	W	16 33 6'51	136 14 23'05
May 9	G	29'97	12'77	Apr. 1	W	6'61	22'26
13	G	29'83	10'89	29	W	6'45	22'61
18	G	30'30	11'36	May 13	G	6'39	19'54
27	G	30'10	13'38			16 33 6'49	136 14 21'87
		16 20 30'11	128 12 12'26				
21 II. 1862.				25 II. 1862.			
1863 Mar. 29	W	16 23 40'11	129 3 14'48	1863 Apr. 1	W	16 38 17'00	138 48 21'75
Apr. 1	W	40'22	14'00	15	CF	16'84	(24'03)
15	CF	40'11	11'81	16	G	16'83	20'55
16	G	39'94	13'97	20	G	16'68	21'93
20	G	40'02	13'75	24	CF	16'40	20'47
		16 23 40'08	129 3 13'60	May 13	G	16'54	18'76
						16 38 16'72	138 48 20'69
22 II. 1862.				26 II. 1862.			
1863 Apr. 16	G	16 30 37'68	134 17 54'88	1863 Apr. 21	CF	16 43 40'98	140 34 53'68
20	G	37'61	54'14	22	W	40'96	51'78
21	CF	37'52	54'53	24	CF	(40'45)	51'41
24	CF	37'48	55'87	25	W	40'87	52'59
		16 30 37'57	134 17 54'86	27	G	40'74	54'30
						16 43 40'89	140 34 52'75

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
27 II. 1862.				30 II. 1862—continued.			
1863 May 29	W	^{h m s} 16 44 24.39	141° 0' 50".83	1863 June 3	G	^{h m s} 16 48 32.46	142° 5' (71".61)
Apr. 29	W	24.18	50.52	12	G	32.53	53.62
May 9	G	23.87	48.83			16 48 32.54	142 5 52.09
June 3	G	24.24	(67.25)	31 II. 1862.			
12	G	24.31	49.65	1863 Mar. 29	W	16 50 16.20	142 45 55.11
		16 44 24.20	141 0 49.96	Apr. 1	W	16.19	53.82
28 II. 1862.				27	G	16.03	54.87
1863 Apr. 1	W	16 45 47.26	141 36 28.68	29	W	16.02	54.67
May 18	G	47.42	...			16 50 16.11	142 45 54.62
23	W	47.33	29.34	A. II. 1862.			
27	G	47.29	29.53	1862 Aug. 23	CF	20 42 22.11	115 29 17.86
June 6	G	47.50	29.41	24	G	21.72	19.44
		16 45 47.36	141 36 29.24	25	CF	21.96	21.05
29 II. 1862.				29	CF	21.79	19.25
1863 Apr. 25	W	...	141 49 39.61	30	G	21.75	19.97
28	CF	16 47 37.24	39.30			20 42 21.87	115 29 19.51
May 12	IF	37.01	39.92	C. II. 1862.			
13	G	37.07	38.40	1862 Aug. 23	CF	20 49 33.91	115 0 56.19
June 4	CF	37.12	41.59	Sept. 2	G	33.72	59.06
8	G	37.40	40.30	4	G	33.85	59.75
		16 47 37.17	141 49 39.85	8	G	33.92	60.47
30 II. 1862.				9	CF	33.69	59.41
1863 Apr. 16	G	16 48 32.43	142 5 53.11			20 49 33.82	115 0 58.98
20	G	32.24	52.46	B. II. 1862.			
21	CF	32.70	49.98	1862 Aug. 24	G	20 49 48.09	115 5 34.28
24	CF	32.89	51.26	29	CF	47.96	...
				30	G	48.10	34.31

564 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
B. II. 1862—continued.				F. II. 1862.			
1862 Sept. 2	G	h m s 20 49 48.11	115° 5' 34".89	1862 Aug. 24	G	h m s 21 5 11.74	114° 39' 38".30
4	G	48.05	31.64	30	G	11.98	40.28
		20 49 48.06	115 5 33.78	Sept. 2	G	11.71	37.84
				3	CF	11.80	38.14
D. II. 1862.						21 5 11.81	114 39 38.64
1862 Aug. 29	CF	20 55 44.06	114 51 56.15	G II. 1862.			
30	G	44.22	54.46	1862 Aug. 22	G	21 16 26.61	113 52 48.31
Sept. 2	G	44.18	53.77	23	CF	27.00	...
3	CF	44.07	51.25	24	G	26.74	48.97
		20 55 44.13	114 51 53.91	25	CF	26.79	46.08
* II. 1862.				30	G	26.79	49.01
1862 Aug. 24	G	20 59 21.10	114 51 48.84			21 16 26.79	113 52 48.09
25	OF	21.15	41.70	2 I. 1865.			
		20 59 21.13	114 51 45.27	1865 May 22	G	21 40 18.47	137 30 29.10
E. II. 1862.				26	G	18.23	30.74
1862 Aug. 23	CF	21 0 29.68	114 45 (36.09)	30	G	18.29	30.10
29	CF	29.71	28.76	June 3	G	18.32	31.01
30	G	29.76	30.45			21 40 18.33	137 30 30.24
Sept. 2	G	29.72	30.52	3 I. 1865.			
4	G	29.75	30.28	1865 May 22	G	21 49 11.52	138 11 12.36
		21 0 29.72	114 45 30.00	30	G	11.50	10.92
1 I. 1865.				June 3	G	11.49	10.74
1865 May 22	G	21 3 32.95	130 48 37.09	4	G	11.57	14.80
30	G	33.03	38.14			21 49 11.52	138 11 12.21
June 8	G	32.89	38.17	4 I. 1865.			
15	G	33.01	37.65	1865 May 22	G	21 54 37.05	138 55 1.51
		21 3 32.97	130 48 37.76				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
4 I. 1865—continued.				H. II. 1862—continued.			
1865 May 28	G	^{h m s} 21 54 37'05	138° 55' 1"75	1862 Oct. 25	CF	^{h m s} 22 16 57'50	86° 36' 45"28
30	G	37'02	2'82	27	CF	57'68	46'23
June 3	G	37'04	1'79			22 16 57'67	86 36 45'04
		21 54 37'04	138 55 1'97	I. II. 1862.			
5 I. 1865.				1862 Sept. 23	G	22 17 27'97	86 52 37'65
1865 May 22	G	22 2 0'71	139 43 36'62	24	OF	28'33	35'38
30	G	0'78	37'71	30	G	28'13	36'32
June 3	G	0'72	36'56	Oct. 2	OF	28'04	35'99
4	G	1'10	39'58			22 17 28'12	86 52 36'34
22	G	0'72	37'42	* II. 1862.			
		22 2 0'81	139 43 37'58	1862 Aug. 24	G	22 18 0'74	86 53 35'22
6 I. 1865.				25	CF	0'66	36'17
1865 May 28	G	22 2 14'23	139 33 3'92	26	G	0'81	32'99
June 8	G	14'48	5'27			22 18 0'74	86 53 34'80
15	G	14'49	1'83	L II. 1862.			
21	G	14'22	5'21	1862 Oct. 15	CF	22 18 30'39	85 57 7'08
		22 2 14'36	139 33 4'06	18	G	30'26	6'19
7 I. 1865.				19	G	30'39	7'15
1865 May 22	G	22 11 17'83	140 58 54'63	20	OF	30'31	3'85
28	G	18'03	56'30			22 18 30'34	85 57 5'82
30	G	17'81	55'90	* II. 1862.			
June 3	G	17'81	58'87	1862 Oct. 3	G	22 19 11'51	85 57 40'00
		22 11 17'87	140 58 56'43	18	G	11'82	41'55
H II. 1862.				19	G	11'69	41'89
1862 Oct. 23	G	22 16 57'77	86 36 44'37	20	OF	11'50	38'38
24	G	57'71	44'26			22 19 11'63	85 57 40'46

566 *Mean R.A. and N.P.D. of Comet-Stars, observed at the*

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
M II. 1862.				9 I. 1865—continued.			
1862 Sept. 9	CF	^{h m s} 22 19 36.11	^{° ' "} 86 18 31.63	1865 June 3	G	^{h m s} 22 33 13.52	^{° ' "} 142 36 18.39
17	CF	36.04	32.86	4	G	13.80	17.72
18	G	35.74	32.58	5	G	13.90	17.72
19	CF	36.07	32.10			22 33 13.70	142 36 17.21
Oct. 23	G	35.99	31.47	10 I. 1865.			
		22 19 35.99	86 18 32.13	1865 May 28	G	22 44 31.48	142 56 20.02
O II. 1862.				30	G	31.30	19.45
1862 Aug. 29	CF	22 20 52.17	85 59 42.99	June 3	G	31.26	20.43
Sept. 2	G	52.47	42.37	4	G	31.44	20.44
4	G	52.49	42.07			22 44 31.37	142 56 20.09
8	G	52.42	43.06	11 I. 1865.			
		22 20 52.39	85 59 42.62	1865 June 5	G	22 46 25.02	143 18 44.66
Q II. 1862.				8	G	(25.36)	47.06
1862 Aug. 22	G	22 22 37.62	83 53 9.21	22	G	25.08	44.25
23	CF	37.68	9.13	23	G	25.13	45.38
24	G	37.72	8.94	July 28	G	25.09	46.54
26	G	37.74	10.04	Aug. 5	G	25.17	44.67
		22 22 37.69	83 53 9.33	15	G	24.95	45.84
8 I. 1865.						22 46 25.07	143 18 45.49
1865 May 22	G	22 25 3.67	141 40 48.45	12 I. 1865.			
28	G	3.71	49.11	1865 June 8	G	22 46 (29.23)	143 16 12.74
30	G	3.69	48.90	21	G	28.91	12.38
June 3	G	3.57	49.81	July 13	G	29.02	13.23
		22 25 3.66	141 40 49.07	Aug. 18	G	28.87	12.85
9 I. 1865.				19	G	28.82	11.52
1865 May 28	G	22 33 13.53	142 36 16.36			22 46 28.91	143 16 12.54
30	G	13.73	16.35				

Date.	Observer.	R.A.	N.P.D.	Date.	Observer.	R.A.	N.P.D.
13 I. 1865.				17 I. 1865—continued.			
1865 May 30	G	h m s 22 52 15'84	143 32 36'08	1865 June 21	G	h m s 23 18 7'05	144 45 49'67
June 3	G	15'91	37'01	22	G	7'21	49'83
4	G	16'21	37'64			23 18 7'25	144 45 48'33
5	G	16'10	36'91				
		22 52 16'02	143 32 36'91	18 I. 1865.			
14 I. 1865.				1865 June 21	G	23 50 37'97	145 57 49'56
1865 June 1	G	22 58 33'44	143 54 41'25	22	G	38'04	48'95
3	G	33'38	42'25	23	G	38'17	44'19
4	G	33'70	43'25	July 7	G	37'98	51'31
5	G	33'55	41'11	22	G	37'92	(40'87)
		22 58 33'52	143 54 41'97	Sept. 4	G	37'98	48'06
15 I. 1865.						23 50 38'01	145 57 48'41
1865 June 22	G	23 8 48'72	144 21 49'13	19 I. 1865.			
23	G	48'75	46'50	1865 June 21	G	23 54 0'99	146 2 12'62
July 13	G	48'64	46'18	22	G	0'85	11'45
22	G	48'84	48'66	23	G	1'08	7'03
28	G	48'98	48'17	July 7	G	1'03	10'96
		23 8 48'79	144 21 47'73	13	G	1'01	10'25
16 I. 1865.				22	G	0'79	8'08
1865 May 30	G	23 16 15'38	144 32 50'58			23 54 0'96	146 2 10'07
June 1	G	15'15	51'61	20 I. 1865.			
3	G	15'18	52'14	1865 June 22	G	23 59 22'82	146 14 60'01
4	G	15'25	51'24	23	G	22'88	59'56
		23 16 15'24	144 32 51'39	July 7	G	23'04	58'69
17 I. 1865.				22	G	22'86	60'30
June 5	G	23 18 7'24	144 45 47'95	28	G	23'04	61'19
8	G	7'51	45'87			23 59 22'93	146 14 59'95

ROYAL OBSERVATORY,
CAPE OF GOOD HOPE.

CATALOGUE
OF
MEAN RIGHT ASCENSIONS
AND
MEAN DECLINATIONS
OF
COMET-STARS
OBSERVED IN THE YEARS 1861–1865.

No.	Star.	Magnitude.	Mean Date.	No. of Obs.	Mean R.A.	Annual Variation 1865 ^o .	Mean Date.	No. of Obs.	Mean Dec.	Annual Variation 1865 ^o .
1	21 I. 1865 ...	8	65 ^h 58 ^m	5	0 0 2 ^s 25	+3 ^s 070	65 ^h 58 ^m	5	55° 54' 42 ^{''} 25	+20 ^{''} 06
2	22 I. 1865 ...	10	65 ^h 59 ^m	5	0 14 18 ^s 43	+2 ^s 945	65 ^h 59 ^m	5	56 19 21 ^{''} 79	+20 ^{''} 02
3	23 I. 1865 ...	9	65 ^h 51 ^m	5	0 22 15 ^s 52	+2 ^s 874	65 ^h 51 ^m	5	56 29 9 ^{''} 57	+19 ^{''} 96
4	24 I. 1865 ...	9 ^h 5	65 ^h 51 ^m	5	0 26 30 ^s 76	+2 ^s 836	65 ^h 51 ^m	5	56 39 53 ^{''} 26	+19 ^{''} 92
5	25 I. 1865 ...	8	65 ^h 52 ^m	5	0 36 34 ^s 24	+2 ^s 748	65 ^h 52 ^m	5	56 35 1 ^{''} 74	+19 ^{''} 80
6	26 I. 1865 ...	9	65 ^h 52 ^m	5	0 42 44 ^s 46	+2 ^s 691	65 ^h 52 ^m	5	56 49 31 ^{''} 59	+19 ^{''} 71
7	27 I. 1865 ...	8	65 ^h 51 ^m	4	0 55 26 ^s 65	+2 ^s 579	65 ^h 51 ^m	4	56 53 8 ^{''} 91	+19 ^{''} 47
8	28 I. 1865 ...	8 ^h 5	65 ^h 55 ^m	4	1 24 41 ^s 93	+2 ^s 330	65 ^h 55 ^m	4	56 53 25 ^{''} 62	+18 ^{''} 70
9	29 I. 1865 ...	8 ^h 5	65 ^h 53 ^m	4	1 31 50 ^s 22	+2 ^s 275	65 ^h 53 ^m	4	56 45 28 ^{''} 50	+18 ^{''} 47
10	30 I. 1865 ...	8 ^h 5	65 ^h 59 ^m	3	1 32 4 ^s 94	+2 ^s 266	65 ^h 58 ^m	4	56 57 31 ^{''} 79	+18 ^{''} 46
11	31 I. 1865 ...	8	65 ^h 55 ^m	4	1 40 23 ^s 71	+2 ^s 204	65 ^h 55 ^m	4	56 47 2 ^{''} 48	+18 ^{''} 16
12	32 I. 1865 ...	8	65 ^h 60 ^m	4	1 40 52 ^s 73	+2 ^s 194	65 ^h 60 ^m	4	56 58 15 ^{''} 16	+18 ^{''} 14
13	33 I. 1865 ...	8	65 ^h 53 ^m	4	1 47 28 ^s 54	+2 ^s 148	65 ^h 53 ^m	4	56 46 44 ^{''} 08	+17 ^{''} 89
14	34 I. 1865 ...	8	65 ^h 54 ^m	4	1 57 41 ^s 41	+2 ^s 063	65 ^h 54 ^m	4	56 53 46 ^{''} 17	+17 ^{''} 47
15	35 I. 1865 ...	8	65 ^h 55 ^m	5	2 6 18 ^s 45	+1 ^s 998	65 ^h 55 ^m	5	56 51 45 ^{''} 25	+17 ^{''} 09
16	36 I. 1865 ...	7 ^h 5	65 ^h 55 ^m	4	2 13 17 ^s 32	+1 ^s 945	65 ^h 55 ^m	4	56 52 13 ^{''} 59	+16 ^{''} 76
17	37 I. 1865 ...	9	65 ^h 61 ^m	5	2 27 18 ^s 05	+1 ^s 846	65 ^h 61 ^m	5	56 47 17 ^{''} 68	+16 ^{''} 06
18	38 I. 1865 ...	10	65 ^h 65 ^m	5	3 4 30 ^s 68	+1 ^s 605	65 ^h 65 ^m	6	56 39 32 ^{''} 08	+13 ^{''} 90
19	39 I. 1865 ...	8	65 ^h 64 ^m	4	3 23 46 ^s 26	+1 ^s 478	65 ^h 64 ^m	4	56 53 49 ^{''} 72	+12 ^{''} 64
20	40 I. 1865 ...	10	65 ^h 66 ^m	4	3 30 59 ^s 78	+1 ^s 445	65 ^h 66 ^m	4	56 46 28 ^{''} 42	+12 ^{''} 14
21	41 I. 1865 ...	10	65 ^h 72 ^m	4	3 31 2 ^s 24	+1 ^s 438	65 ^h 72 ^m	4	56 53 33 ^{''} 43	+12 ^{''} 14
22	42 I. 1865 ...	10 ^h 5	65 ^h 66 ^m	4	3 53 53 ^s 21	+1 ^s 319	65 ^h 66 ^m	5	56 56 28 ^{''} 95	+10 ^{''} 48
23	1 II. 1861 ...	7	61 ^h 64 ^m	4	3 58 49 ^s 85	+2 ^s 407	61 ^h 64 ^m	4	29 53 48 ^{''} 19	+10 ^{''} 11
24	2 II. 1861 ...	7	61 ^h 76 ^m	5	4 0 4 ^s 72	+2 ^s 415	61 ^h 76 ^m	5	29 31 59 ^{''} 16	+10 ^{''} 01
25	4 II. 1861 ...	7	61 ^h 65 ^m	4	4 1 27 ^s 28	+2 ^s 422	61 ^h 65 ^m	4	29 11 10 ^{''} 34	+ 9 ^{''} 91
26	3 II. 1861 ...	7	61 ^h 73 ^m	3	4 1 41 ^s 18	+2 ^s 424	61 ^h 74 ^m	4	29 3 47 ^{''} 93	+ 9 ^{''} 89
27	5 II. 1861 ...	7	61 ^h 65 ^m	4	4 10 6 ^s 60	+2 ^s 521	61 ^h 65 ^m	4	24 51 24 ^{''} 55	+ 9 ^{''} 24
28	6 II. 1861 ...	8 ^h 5	61 ^h 65 ^m	4	4 16 49 ^s 17	+2 ^s 606	61 ^h 65 ^m	4	21 5 6 ^{''} 18	+ 8 ^{''} 72
29	7 II. 1861 ...	8	61 ^h 70 ^m	3	4 20 14 ^s 11	+2 ^s 637	61 ^h 69 ^m	4	19 41 35 ^{''} 28	+ 8 ^{''} 45
30	8 II. 1861 ...	7	61 ^h 78 ^m	2	4 21 1 ^s 24	+2 ^s 639	61 ^h 75 ^m	4	19 34 19 ^{''} 87	+ 8 ^{''} 38

No.	Star.	Magnitude.	Mean Date.	No. of Obs.	Mean R. A.	Annual Variation 1865'o.	Mean Date.	No. of Obs.	Mean Dec.	Annual Variation 1865'o.
					h m s	s			° ' "	"
31	B.A.C. 1443	6	61'65	4	4 32 24'79	+2'798	61'65	4	-12° 24' 3'32	+ 7'47
32	B.A.C. 1465	5	61'65	4	4 37 24'70	+2'878	61'65	4	- 8 45 57'46	+ 7'06
33	10 II. 1861..	10	61'72	4	4 39 41'35	+2'874	61'72	4	- 8 53 24'52	+ 6'86
34	6 I. 1861.....	8'5	61'94	3	5 56 10'36	+1'629	61'94	3	-47 9 29'92	+ 0'33
35	5 I. 1861.....	7'5	61'94	3	5 58 44'15	+1'648	61'94	3	-46 46 17'27	+ 0'10
36	3 I. 1861.....	9	61'94	3	6 7 16'66	+1'707	61'94	3	-45 34 49'37	- 0'65
37	4 I. 1861.....	8'5	61'93	2	6 8 6'13	+1'714	61'93	2	-45 26 21'40	- 0'72
38	2 I. 1861.....	9'5	61'94	2	6 9 30'47	+1'722	61'94	2	-45 16 4'68	- 0'84
39	1 I. 1861.....	10	61'93	4	6 30 56'20	+1'913	61'93	4	-41 8 32'88	- 2'71
40	1 II. 1865...	9	65'95	4	7 59 16'03	+2'994	65'95	4	- 3 49 27'77	- 9'97
41	2 II. 1865 ...	8	65'95	4	8 28 44'60	+2'854	65'95	4	-11 35 28'81	-12'12
42	3 II. 1865 ...	9	65'94	4	8 46 57'64	+2'781	65'94	4	-16 14 38'32	-13'35
43	1 III. 1860..	9	61'19	6	9 57 54'84	+3'275	61'19	6	+16 46 24'64	-17'29
44	2 III. 1860..	7'5	61'18	6	10 21 35'52	+3'172	61'18	6	+10 16 31'34	-18'24
45	3 III. 1860..	8'5	61'27	4	10 21 52'87	+3'168	61'27	4	+ 9 59 0'01	-18'26
46	4 III. 1860..	7	61'26	4	10 44 2'82	+3'097	61'26	4	+ 3 26 52'97	-18'97
47	5 III. 1860 .	8	61'26	5	10 46 16'24	+3'093	61'26	5	+ 3 4 42'47	-19'03
48	6 III. 1860..	7	61'20	5	10 56 7'76	+3'071	61'20	5	- 0 0 2'71	-19'29
49	7 III. 1860..	8	61'25	6	10 56 14'53	+3'069	61'24	5	- 0 10 41'54	-19'29
50	8 III. 1860..	9	61'25	5	11 6 47'71	+3'054	61'25	5	- 3 10 45'16	-19'52
51	9 III. 1860..	10'5	61'24	6	11 25 8'25	+3'038	61'27	5	- 9 2 17'97	-19'83
52	10 III. 1860	10	61'23	5	11 33 27'50	+3'038	61'23	5	-11 44 56'28	-19'92
53	11 III. 1860	8	61'20	5	11 41 36'92	+3'043	61'20	5	-14 13 56'20	-19'99
54	η Crateris....	5'0	61'20	5	11 48 56'09	+3'053	61'20	5	-16 22 36'29	-20'03
55	12 III. 1860	8'5	61'23	5	12 4 22'48	+3'081	61'23	5	-20 23 42'84	-20'05
56	13 III. 1860	7	61'22	4	12 6 25'05	+3'085	61'22	4	-20 18 4'34	-20'05
57	14 III. 1860	8	61'27	4	12 11 49'73	+3'100	61'27	4	-22 6 56'38	-20'03
58	15 III. 1860	7'5	61'34	4	12 18 2'79	+3'118	61'34	4	-23 37 15'44	-19'99
59	16 III. 1860	8	61'37	4	12 19 36'23	+3'122	61'37	4	-24 0 21'91	-19'98
60	17 III. 1860	8	61'28	4	12 24 29'91	+3'139	61'28	4	-25 17 47'86	-19'94

No. 54. Some of these observations have been printed in *Cape Meridian Observations*, 1861.

No.	Star.	Magnitude.	Mean Date.	No. of Obs.	Mean R.A.	Annual Variation 1865°.	Mean Date.	No. of Obs.	Mean Dec.	Annual Variation 1865°.
61	18 III. 1860	8	61'28	5	^{h m s} 12 28 56'30	+3'156	61'28	5	—26° 39' 41"87	—19'89
62	19 III. 1860	7	61'24	5	12 52 36'16	+3'256	61'24	5	—31 17 31'35	—19'52
63	20 III. 1860	8	61'30	5	12 57 5'75	+3'280	61'30	5	—32 19 33'30	—19'43
64	21 III. 1860	8	61'29	4	13 0 31'13	+3'300	61'29	4	—33 13 53'50	—19'35
65	22 III. 1860	9	61'32	5	13 0 43'74	+3'298	61'32	4	—32 56 1'89	—19'35
66	B.A.C. 4478	5	65'12	4	13 17 31'84	+3'105	65'11	5	—4 27 24'77	—18'92
67	23 III. 1860	8	61'26	5	13 21 37'43	+3'422	61'26	5	—36 50 17'97	—18'79
68	24 III. 1860	8	61'34	4	13 25 10'88	+3'442	61'34	4	—37 16 29'87	—18'68
69	25 III. 1860	9	61'37	5	13 25 40'28	+3'445	61'37	5	—37 18 13'59	—18'66
70	26 III. 1860	9'5	61'33	5	13 29 31'34	+3'468	61'33	5	—37 49 37'46	—18'54
71	27 III. 1860	10	61'38	5	13 29 35'08	+3'469	61'38	5	—37 54 32'13	—18'53
72	28 III. 1860	8	61'33	4	13 35 53'91	+3'511	61'33	4	—38 53 27'96	—18'31
73	29 III. 1860	8	61'31	4	13 36 45'00	+3'513	61'31	4	—38 47 5'72	—18'28
74	2 I. 1864.....	9	65'14	4	13 38 51'68	+3'144	65'14	5	—7 25 56'16	—18'22
75	30 III. 1860	8	61'36	4	13 39 54'01	+3'534	61'36	4	—39 17 45'73	—18'27
76	31 III. 1860	7'5	61'39	5	13 40 19'48	+3'538	61'39	5	—39 23 5'33	—18'15
77	3 I. 1864.....	9	65'11	5	13 43 59'59	+3'160	65'11	5	—8 39 49'08	—18'03
78	32 III. 1860	7'5	61'34	4	13 47 29'71	+3'583	61'34	4	—40 10 15'12	—17'88
79	33 III. 1860	8	61'33	4	13 49 8'16	+3'597	61'33	4	—40 32 21'69	—17'81
80	34 III. 1860	8'5	61'37	4	13 50 3'30	+3'604	61'37	4	—40 42 55'02	—17'78
81	35 III. 1860	7'5	61'32	4	13 54 16'10	+3'627	61'32	4	—40 56 42'40	—17'60
82	36 III. 1860	7'5	61'36	5	13 54 18'62	+3'635	61'36	5	—41 18 51'14	—17'60
83	4 I. 1864.....	8	65'10	5	13 56 19'94	+3'286	65'10	5	—10 4 45'99	—17'53
84	5 I. 1864.....	8	65'13	4	13 56 41'87	+3'193	65'13	4	—10 37 19'03	—17'51
85	37 III. 1860	10	61'40	4	13 58 17'78	+3'662	61'40	4	—41 46 23'43	—17'43
86	38 III. 1860	9	61'48	5	13 59 13'57	+3'663	61'48	5	—41 36 18'78	—17'39
87	39 III. 1860	8	61'35	4	14 0 4'72	+3'677	61'35	4	—42 6 36'90	—17'35
88	40 III. 1860	7	61'35	4	14 0 10'00	+3'674	61'35	4	—41 56 8'11	—17'35
89	6 I. 1864.....	7	65'11	5	14 1 15'32	+3'204	65'11	5	—11 11 9'75	—17'31
90	7 I. 1864.....	8'5	65'14	4	14 1 33'92	+3'201	65'14	4	—10 55 17'54	—17'30

No. 66. One of these observations has been printed in *Cape Meridian Observations*, 1865.

No.	Star.	Magnitude.	Mean Date.	No. of Obs.	Mean R.A.	Annual Variation 1865 ^o .	Mean Date.	No. of Obs.	Mean Dec.	Annual Variation 1865 ^o .
91	8 I. 1864....	8	65 ^h 13	4	14 3 54 ^m 49 ^s	+3 ^s 215	65 ^h 13	4	-11 ^o 48' 37 ^{''} 52	-17 ^{''} 19
92	14 II. 1865 .	9	65 ^h 56	1	14 7 5 ^m 46 ^s	+3 ^s 822	65 ^h 56	1	-46 48 19 ^{''} 57	-17 ^{''} 05
93	9 I. 1864....	9	65 ^h 15	6	14 7 26 ^m 02 ^s	+3 ^s 221	65 ^h 15	6	-12 0 0 ^{''} 06	-17 ^{''} 03
94	10 I. 1864 ...	8	65 ^h 12	4	14 7 33 ^m 21 ^s	+3 ^s 224	65 ^h 12	4	-12 15 8 ^{''} 53	-17 ^{''} 03
95	41 III. 1860..	7	61 ^h 36	4	14 7 50 ^m 46 ^s	+3 ^s 724	61 ^h 36	4	-42 37 31 ^{''} 88	-17 ^{''} 00
96	12 I. 1864 ...	7 ^h 5	65 ^h 13	5	14 12 14 ^m 45 ^s	+3 ^s 240	65 ^h 13	5	-13 5 7 ^{''} 60	-16 ^{''} 81
97	13 I. 1864 ...	9 ^h 5	65 ^h 13	5	14 14 36 ^m 67 ^s	+3 ^s 243	65 ^h 13	5	-13 7 6 ^{''} 06	-16 ^{''} 69
98	14 I. 1864 ...	7 ^h 5	65 ^h 13	4	14 17 16 ^m 10 ^s	+3 ^s 251	65 ^h 13	4	-13 27 58 ^{''} 90	-16 ^{''} 56
99	16 II. 1865 .	8 ^h 5	...	...	14 19 27	+3 ^s 884	65 ^h 56	2	-46 44 34 ^{''} 03	-16 ^{''} 46
100	15 I. 1864 ...	7	65 ^h 11	5	14 20 0 ^m 72 ^s	+3 ^s 265	65 ^h 11	4	-14 13 39 ^{''} 08	-16 ^{''} 43
101	17 II. 1865 .	8 ^h 5	65 ^h 56	1	14 20 17 ^m 28 ^s	+3 ^s 890	65 ^h 56	1	-46 46 53 ^{''} 82	-16 ^{''} 41
102	16 I. 1864 ...	9	65 ^h 15	5	14 22 9 ^m 15 ^s	+3 ^s 270	65 ^h 15	5	-14 24 30 ^{''} 29	-16 ^{''} 32
103	17 I. 1864 ...	7 ^h 5	65 ^h 11	4	14 22 50 ^m 83 ^s	+3 ^s 275	65 ^h 11	4	-14 38 49 ^{''} 34	-16 ^{''} 28
104	42 III. 1860	7 ^h 5	61 ^h 33	4	14 26 21 ^m 38 ^s	+3 ^s 861	61 ^h 33	4	-44 41 39 ^{''} 83	-16 ^{''} 09
105	43 III. 1860	7	61 ^h 35	4	14 36 38 ^m 11 ^s	+3 ^s 925	61 ^h 35	4	-45 17 17 ^{''} 73	-15 ^{''} 53
106	44 III. 1860	7 ^h 5	61 ^h 35	4	14 43 47 ^m 88 ^s	+3 ^s 982	61 ^h 35	4	-46 3 20 ^{''} 93	-15 ^{''} 13
107	45 III. 1860	7 ^h 5	61 ^h 39	5	14 58 15 ^m 92 ^s	+4 ^s 084	61 ^h 39	5	-47 8 54 ^{''} 50	-14 ^{''} 27
108	46 III. 1860	9 ^h 5	61 ^h 41	5	15 3 59 ^m 03 ^s	+4 ^s 124	61 ^h 41	5	-47 32 27 ^{''} 00	-13 ^{''} 91
109	47 III. 1860	9	61 ^h 46	4	15 5 5 ^m 93 ^s	+4 ^s 127	61 ^h 46	4	-47 30 30 ^{''} 15	-13 ^{''} 84
110	B.A.C. 5010	6	61 ^h 41	5	15 6 14 ^m 60 ^s	+4 ^s 134	61 ^h 41	5	-47 33 8 ^{''} 84	-13 ^{''} 77
111	49 III. 1860	7 ^h 5	61 ^h 50	5	15 6 59 ^m 55 ^s	+4 ^s 146	61 ^h 50	5	-47 46 21 ^{''} 42	-13 ^{''} 72
112	50 III. 1860	8	61 ^h 43	5	15 17 9 ^m 49 ^s	+4 ^s 212	61 ^h 43	5	-48 20 20 ^{''} 88	-13 ^{''} 06
113	12 II. 1861..	9 ^h 3	62 ^h 22	3	15 18 38 ^m 41 ^s	+2 ^s 049	62 ^h 23	4	+45 3 10 ^{''} 51	-12 ^{''} 97
114	13 II. 1861..	9 ^h 1	62 ^h 16	4	15 18 43 ^m 67 ^s	+2 ^s 059	62 ^h 16	4	+45 9 58 ^{''} 69	-12 ^{''} 96
115	51 III. 1860	9	61 ^h 45	4	15 23 42 ^m 62 ^s	+4 ^s 256	61 ^h 44	5	-48 44 29 ^{''} 51	-12 ^{''} 62
116	52 III. 1860	8 ^h 5	61 ^h 49	5	15 24 22 ^m 28 ^s	+4 ^s 257	61 ^h 49	5	-48 42 27 ^{''} 56	-12 ^{''} 57
117	15 II. 1861 .	...	62 ^h 21	5	15 27 1 ^m 81 ^s	+2 ^s 050	62 ^h 21	5	+44 13 25 ^{''} 86	-12 ^{''} 41
118	16 II. 1861 .	8 ^h 9	62 ^h 22	4	15 29 53 ^m 34 ^s	+2 ^s 049	62 ^h 22	4	+43 59 32 ^{''} 35	-12 ^{''} 21
119	17 II. 1861 .	...	62 ^h 25	1	15 30 41 ^m 95 ^s	+2 ^s 050	62 ^h 25	1	+43 44 31 ^{''} 13	-12 ^{''} 15
120	18 II. 1861 .	...	62 ^h 22	3	15 33 23 ^m 32 ^s	+2 ^s 031	62 ^h 22	3	+43 42 24 ^{''} 99	-11 ^{''} 96

No.	Star.	Magnitude.	Mean Date.	No. of Obs.	Mean R. A.	Annual Variation 1865°.	Mean Date.	No. of Obs.	Mean Dec.	Annual Variation 1865°.
121	19 II. 1861 . . .	...	62°16	6	^{h m s} 15 39 25°55	+2°048	62°17	5	+43° 9' 22"22	-11°54
122	1 II. 1862 ...	10	63°27	5	15 39 30°58	+2°438	63°27	4	+30 1 57°89	-11°53
123	Lalande. 28863	8	63°30	4	15 43 45°50	+2°575	63°30	4	+24 5 28°65	-11°22
124	Lalande. 28961	7	63°33	4	15 47 36°23	+2°706	63°33	4	+18 1 27°62	-10°94
125	3 II. 1862 ...	9	63°28	4	15 48 35°58	+2°696	63°28	4	+18 26 39°63	-10°87
126	5 II. 1862 ...	7	63°36	5	15 50 20°25	+2°813	63°36	5	+12 52 41°48	-10°74
127	53 III. 1860	9	61°46	4	15 50 21°11	+4°424	61°46	4	-50 7 46°82	-10°72
128	54 III. 1860	8	61°49	+	15 51 44°06	+4°435	61°47	5	-50 15 12°37	-10°62
129	6 II. 1862 ...	8°5	63°30	5	15 53 17°27	+2°924	63°30	6	+ 7 19 54°65	-10°52
130	55 III. 1860	10	61°51	5	15 56 15°86	+4°463	61°51	5	-50 28 22°18	-10°28
131	56 III. 1860	8°5	61°52	4	15 56 26°91	+4°460	61°52	4	-50 23 58°37	-10°27
132	7 II. 1862 ...	8°5	63°27	5	15 57 27°76	+3°017	63°27	5	+ 2 40 42°30	-10°21
133	57 III. 1860	9	61°47	4	15 57 43°37	+4°474	61°47	4	-50 35 54°22	-10°17
134	8 II. 1862 ...	9	63°28	4	16 2 25°55	+3°266	63°28	4	- 9 32 43°62	- 9°83
135	↓ Scorpii	5	63°33	4	16 4 30°83	+3°271	63°33	4	- 9 42 21°83	- 9°67
136	10 II. 1862 . .	10	63°32	4	16 5 17°49	+3°338	63°32	4	-12 49 54°42	- 9°61
137	11 II. 1862 . .	9	63°37	6	16 6 1°14	+3°407	63°37	5	-15 57 23°03	- 9°56
138	12 II. 1862 . .	8	63°29	4	16 6 16°76	+3°464	63°29	4	-18 28 49°05	- 9°54
139	13 II. 1862 . .	6°5	63°35	5	16 8 54°72	+3°524	63°35	4	-20 57 34°48	- 9°33
140	58 III. 1860	8	61°42	4	16 9 43°55	+4°544	61°42	4	-51 8 30°06	- 9°25
141	59 III. 1860	8	61°50	4	16 10 28°15	+4°541	61°50	4	-51 2 31°12	- 9°19
142	14 II. 1862 . .	7°5	63°35	4	16 11 3°65	+3°636	63°35	4	-25 25 20°86	- 9°17
143	60 III. 1860	8°5	61°51	4	16 11 27°67	+4°554	61°51	4	-51 13 21°25	- 9°12
144	15 II. 1862 . .	8	63°28	4	16 11 55°73	+3°634	63°28	4	-25 18 37°44	- 9°10
145	61 III. 1860	7	61°42	4	16 12 44°66	+4°555	61°42	4	-51 10 6°35	- 9°02
146	• Scorpii	4	63°43	8	16 12 51°94	+3°634	63°43	8	-25 15 38°00	- 9°03
147	B.A.C. 5449	6°5	63°37	5	16 13 6°43	+3°587	63°38	4	-23 22 34°03	- 9°01
148	62 III. 1860	8	61°51	4	16 14 41°79	+4°564	61°51	4	-51 12 32°42	- 8°86
149	63 III. 1860	7°5	61°50	4	16 16 23°81	+4°582	61°50	4	-51 27 21°30	- 8°73
150	18 II. 1862...	7	63°28	4	16 16 54°60	+3°860	63°28	4	-33 14 51°63	- 8°71

No. 146. Some of these observations have been printed in *Cape Meridian Observations*, 1863.

No.	Star.	Magnitude.	Mean Date.	No. of Obs.	Mean R. A.	Annual Variation 1865°.	Mean Date.	No. of Obs.	Mean Dec.	Annual Variation 1865°.
151	19 II. 1862..	10	63°32	4	^{h m s} 16 18 33°96	^s +3°892	63°32	4	—34 11 30°31	— 8°57
152	20 II. 1862..	10	63°36	5	16 20 30°11	+4°026	63°36	5	—38 12 12°26	— 8°41
153	21 II. 1862..	8	63°27	5	16 23 40°08	+4°062	63°27	5	—39 3 13°60	— 8°16
154	22 II. 1862..	7	63°30	4	16 30 37°57	+4°278	63°30	4	—44 17 54°86	— 7°60
155	23 II. 1862..	8	63°33	4	16 31 24°26	+4°359	63°33	4	—46 6 47°05	— 7°54
156	24 II. 1862..	8	63°29	4	16 33 6°49	+4°369	63°29	4	—46 14 21°87	— 7°40
157	25 II. 1862..	8	63°30	6	16 38 16°72	+4°503	63°30	5	—48 48 20°69	— 6°98
158	26 II. 1862..	7	63°31	4	16 43 40°89	+4°609	63°31	5	—50 34 52°75	— 6°54
159	27 II. 1862..	10	63°35	5	16 44 24°20	+4°634	63°34	4	—51 0 49°96	— 6°48
160	28 II. 1862..	8	63°37	5	16 45 47°36	+4°671	63°37	4	—51 36 29°24	— 6°36
161	29 II. 1862..	7°5	63°38	5	16 47 37°17	+4°688	63°37	6	—51 49 39°85	— 6°21
162	30 II. 1862..	9	63°34	6	16 48 32°54	+4°235	63°33	5	—52 5 52°09	— 6°13
163	31 II. 1862..	8	63°28	4	16 50 16°11	+4°750	63°28	4	—52 45 54°62	— 5°99
164	A. II. 1862..	7°0	62°65	5	20 42 21°87	+3°556	62°65	5	—25 29 19°51	+13°06
165	C. II. 1862..	7°5	62°67	5	20 49 33°82	+3°530	62°67	5	—25 0 58°98	+13°54
166	B. II. 1862..	8	62°66	5	20 49 48°06	+3°531	62°66	4	—25 5 33°78	+13°55
167	D. II. 1862..	7°5	62°67	4	20 55 44°13	+3°516	62°67	4	—24 51 53°91	+13°93
168	* II. 1862..	10	62°65	2	20 59 21°13	+3°512	62°65	2	—24 51 45°27	+14°14
169	E. II. 1862..	7	62°66	5	21 0 29°72	+3°504	62°67	4	—24 45 30°00	+14°23
170	I. I. 1865....	6	65°42	4	21 3 32°97	+3°874	65°42	4	—40 48 37°76	+14°40
171	F. II. 1862..	11	62°66	4	21 5 11°81	+3°493	62°66	4	—24 39 38°64	+14°52
172	G. II. 1862..	7°5	62°65	5	21 16 26°79	+3°457	62°65	4	—23 52 48°09	+15°18
173	2 I. 1865.....	8	65°41	4	21 40 18°33	+3°906	65°41	4	—47 30 30°24	+16°44
174	3 I. 1865.....	8	65°41	4	21 49 11°52	+3°878	65°41	4	—48 11 12°21	+16°88
175	4 I. 1865.....	9	65°41	4	21 54 37°04	+3°868	65°41	4	—48 55 1°97	+17°13
176	5 I. 1865.....	10	65°42	5	22 2 0°81	+3°847	65°42	5	—49 43 37°58	+17°46
177	6 I. 1865.....	9	65°44	4	22 2 14°36	+3°841	65°44	4	—49 33 4°06	+17°47
178	7 I. 1865.....	10	65°41	4	22 11 17°87	+3°824	65°41	4	—50 58 56°43	+17°84
179	H II. 1862..	10	62°81	4	22 16 57°67	+3°036	62°81	4	+ 3 23 14°96	+18°07
180	I. II. 1862....	9	62°74	4	22 17 28°12	+3°039	62°74	4	+ 3 7 23°66	+18°09

No.	Star.	Magnitude.	Mean Date.	No. of Obs.	Mean R. A.	Annual Variation 1865°.	Mean Date.	No. of Obs.	Mean Dec.	Annual Variation 1865°.
181	* II. 1862..	9.3	62°65	3	^{h m s} 22 18 0.74	^s +3°041	62°65	3	^{° ' "} + 3 6 25.20	+18°11
182	L II. 1862...	9	62°80	4	22 18 30.34	+3°030	62°80	4	+ 4 2 54.18	+18°13
183	* II. 1862..	9.3	62°79	4	22 19 11.63	+3°032	62°79	4	+ 4 2 19.54	+18°15
184	M II. 1862..	6	62°73	5	22 19 35.99	+3°034	62°73	5	+ 3 41 27.87	+18°17
185	O II. 1862...	5.0	62°67	4	22 20 52.39	+3°033	62°67	4	+ 4 0 17.38	+18°21
186	Q II. 1862...	10	62°64	4	22 22 37.69	+3°014	62°64	4	+ 6 6 50.67	+18°27
187	8 I. 1865....	9	65°41	4	22 25 3.66	+3°751	65°41	4	-51 40 49.07	+18°36
188	9 I. 1865....	9	65°41	5	22 33 13.70	+3°717	65°41	4	-52 36 17.21	+18°63
189	10 I. 1865....	8	65°41	4	22 44 31.37	+3°665	65°41	4	-52 56 20.09	+18°86
190	11 I. 1865....	9.5	65°52	6	22 46 25.07	+3°637	65°51	7	-53 18 45.49	+19°03
191	12 I. 1865...	10	65°57	4	22 46 28.91	+3°635	65°54	5	-53 16 12.54	+19°03
192	13 I. 1865...	8.5	65°42	4	22 52 16.02	+3°597	65°42	4	-53 32 36.91	+19°19
193	14 I. 1865...	9.5	65°42	4	22 58 33.52	+3°556	65°42	4	-53 54 41.97	+19°34
194	15 I. 1865...	10	65°52	5	23 8 48.79	+3°483	65°52	5	-54 21 47.73	+19°56
195	16 I. 1865...	6	65°42	4	23 16 15.24	+3°427	65°42	4	-54 32 51.39	+19°69
196	17 I. 1865...	9	65°45	4	23 18 7.25	+3°414	65°45	4	-54 45 48.33	+19°72
197	18 I. 1865...	9.5	65°52	6	23 50 38.01	+3°151	65°52	5	-55 57 48.41	+20°04
198	19 I. 1865...	10	65°50	6	23 54 0.96	+3°122	65°50	6	-56 2 10.07	+20°05
199	20 I. 1865...	8	65°51	5	23 59 22.93	+3°076	65°51	5	-56 14 59.95	+20°06



